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FUJIFILM

DIGITAL MINILAB Frontier

SERVICE MANUAL / PARTS LIST

DIGITAL MINILAB

FRONTIER 590

SCANNER/IMAGE PROCESSOR

SP-3000

LASER PRINTER/PAPER PROCESSOR

LP5900

Principle of Operation
Servicing and Electrical Circuit Diagram

Image Intelligence™

SUPPLEMENT

PP3-C1069E

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INTRODUCTION

This Servicing Manual outlines the maintenance and servicing procedures for the Fujifilm Digital Minilab FRONTIER 590.

For the service information not described in this manual, refer to the following Service Manuals.

- FRONTIER 570 (SP-3000/LP5700) Principle of Operation (System Disk Ver.1.7 or later) Ref.No.PP3-C1052E
- FRONTIER 570 (SP-3000/LP5700) Servicing and Electrical Circuit Diagram (System Disk Ver.1.7 or later)Ref.No.PP3-C1053E
- FRONTIER 550/570 (SP-3000/LP5500/LP5700) Installation Manual (System Disk Ver.1.7 or later) Ref. No. PP3-A1301E

This manual is a professional publication provided for qualified service personnel or persons fully trained in equipment service procedures. All other personnel and operators are restricted from servicing the FRONTIER 590. When maintenance service is needed, be sure to contact qualified service personnel.

Precautions Generally Applying to All Serving Operations

⚠WARNING

When servicing internal machine parts, make sure the power switch and the main power supply on the power distribution board are both set to the OFF position.
If the main power is left ON, electricity will flow as far as the power switch and power supply section, and this can cause electric shocks and/or short-circuiting.
If the power is left on, there is also the possibility for the machine to be accidentally activated causing damage to the machine and/or bodily injury.

⚠CAUTION

The light source section and dryer will be hot to the touch. Wait 15 minutes after turning off the power before commencing with servicing procedures.

- Wear gloves when handling the optical system parts to keep the parts free from fingerprints.
- When mounting machine parts, take care not to sandwich any of the wires.
- Each of the connectors is provided with a symbol indicating what it is to be connected to. Make sure the connectors are connected to the connectors, harness ends or parts bearing the corresponding symbols.
- The plastic connectors have a locking catch on the plug (male) end. To disconnect one of these connectors, loosen the catch first; when connecting, make sure the catch engages (locks).

Service Manual Regulations

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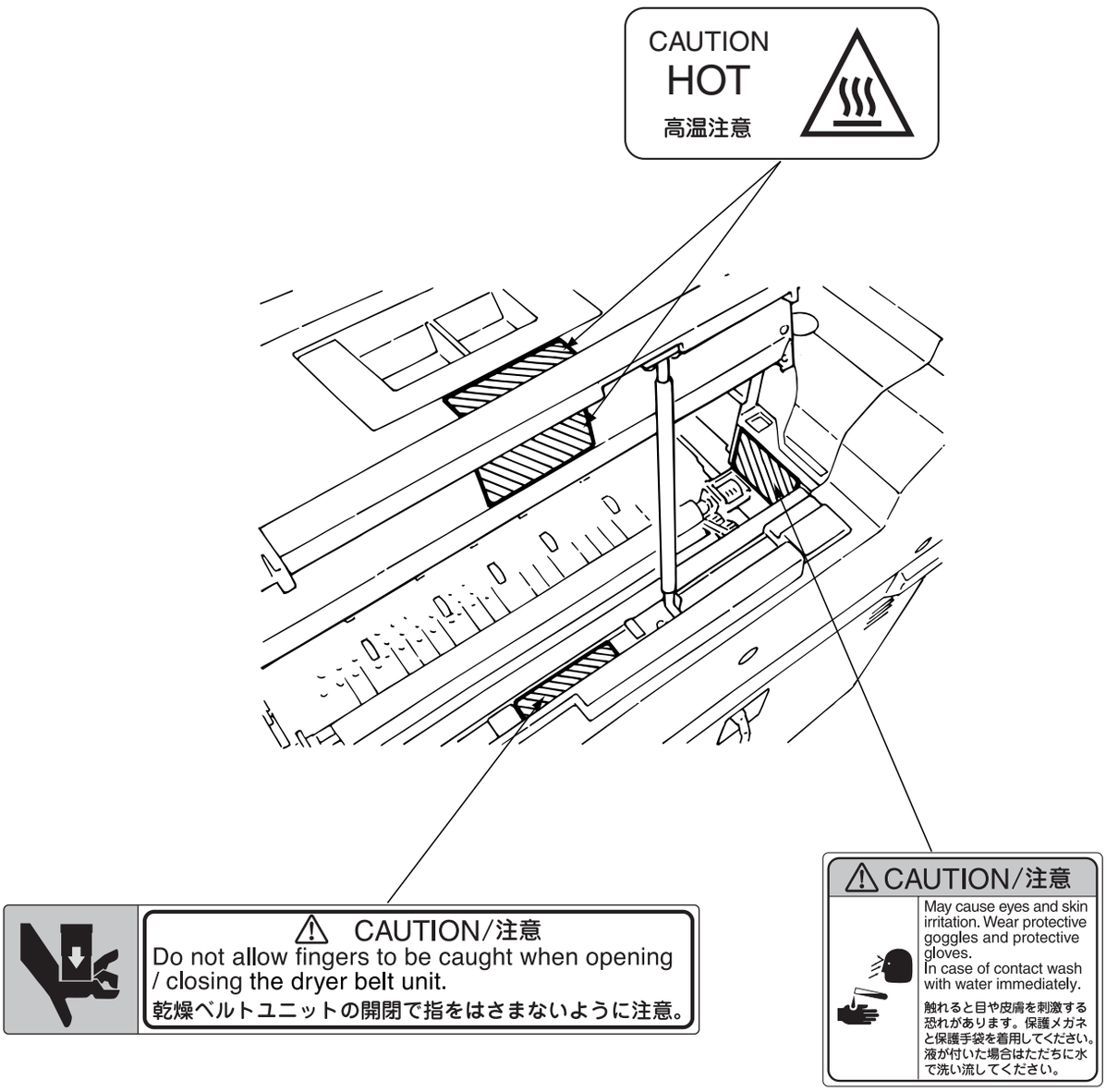
1. SAFETY

1.1 Dryer Section Caution Label


CAUTION
HOT
高温注意
⚠ CAUTION/注意
Do not allow fingers to be caught when opening / closing the dryer belt unit.
乾燥ベルトユニットの開閉で指をはさまないように注意。
⚠ CAUTION/注意
May cause eyes and skin irritation. Wear protective goggles and protective gloves.
In case of contact wash with water immediately.
触れると目や皮膚を刺激する恐れがあります。保護メガネと保護手袋を着用してください。液が付いた場合はただちに水で洗い流してください。

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2. MAIN SPECIFICATIONS

2.1 Laser Printer/Paper Processor (LP5900)

Item	Specifications		
Type	Floor-type, normal-light operation (laser printer, processor, cutter, sorter in one unit).		
Exposure system	Scanning exposure system using RGB lasers. Pixel density: 300dpi, Sub-scanning luster density: 600dpi		
Scanning speed	Sub-scanning speed: 100 mm/sec.		
Paper transport system	Full-auto sheet paper transport system		
Magazine	Two switchable paper magazines Paper width: 8.9 to 15.2 cm, length: 186 m Paper width: 16.5 to 30.5 cm, length: 90 m		
Paper width	8.9, 9.5, 10.2, 11.4, 11.7, 12.0, 12.7, 13.0, 15.2, 16.5, 17.8, 20.3, 21.0, 21.6, 24.0, 25.4, 27.9, 29.7, 30.5 cm		
Paper	FUJICOLOR paper (silver-halide).		
Print size	89 × 82.5 mm to 305 × 457 mm		
Back printing	Two 40-character lines		
Front printing	Time and date of photograph in black characters in lower right-hand corner of prints from Advanced Photo System (IX240) cartridge film.		
Index print	Color index print and normal prints can be printed from Advanced Photo System/135 (negative, positive, black and white) film.		
Print condition setup	Semi-automatic calibration by AD300 densitometer		
Operation panel	16 × 2 lines, LCD display with 8 keys		
Counter	Software-controlled counting system		
Processing system	Two-line sheet transport system		
Processing speed	Type 2	42.5 mm/sec.	
	Type 1	30.5 mm/sec.	
Processing time (Dry-to-dry)	Type 2	82 sec.	
	Type 1	116 sec.	
Processing capacity	Type 2	Approx. 2,400 prints/hr. (4R)	
	Type 1	Approx. 1,610 prints/hr. (4R)	
Processing chemicals	New chemical system CP-49E		
Rack washing	Auto-washing No.2/No.3 crossover racks, dryer entrance rack		
Waste solution tank	11.2 L × 1		
Sorter	SU2400AY, Sorting capacity: 24 orders of C/H/P-mixed format prints		
Power requirements	AC200-240V (50/60Hz) Single-phase 25A, Three-phase three-wire and four-wire 17A, Approx. 4.8 KVA		
Dimensions	SU1400AY sorter	1,515(W) × 820(D) × 1,325(H) mm/ 59.65(W) × 32.28(D) × 52.17(H) in. *1)	
	SU2400AY sorter	1,965(W) × 850(D) × 1,360(H) mm/ 77.36(W) × 33.46(D) × 53.54(H) in. *1):	
Weight	SU1400AY sorter	Solution-filled	520 kg (1,146 lbs)
		Without solutions	470 kg (1,036 lbs)
	SU2400AY sorter	Solution-filled	554 kg (1,221 lbs)
		Without solutions	504 kg (1,111 lbs)
Installation space	SU1400AY sorter	Approx. 4.2 sq. m/5.02 sq. yds.	
	SU2400AY sorter	Approx. 4.5 sq. m/5.38 sq. yds.	

*1): With densitometer: 1390mm (H)/54.72 in. (H)

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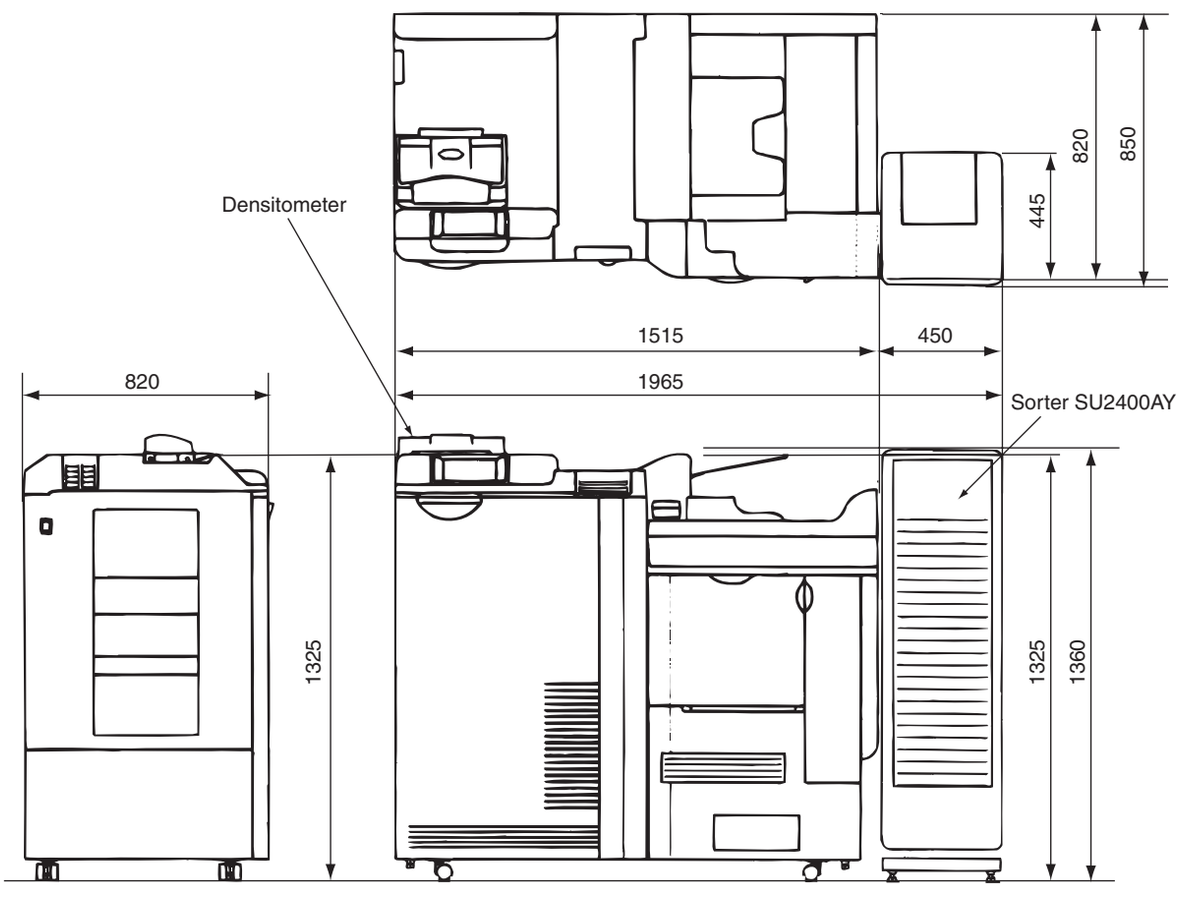
2. MAIN SPECIFICATIONS

2.2 Dimensions and Weight

2.2.1 Laser Printer/Paper Processor (LP5900)

Dimensions	Length	1,965 mm (77.36 inches)
	Width	850 mm (33.46 inches)
	Height	1,360 mm (53.54 inches)
Weight	When transported	435 kg (960 lbs)
	When operated (Max.)	590 kg (1,302 lbs)

(Unit: mm)



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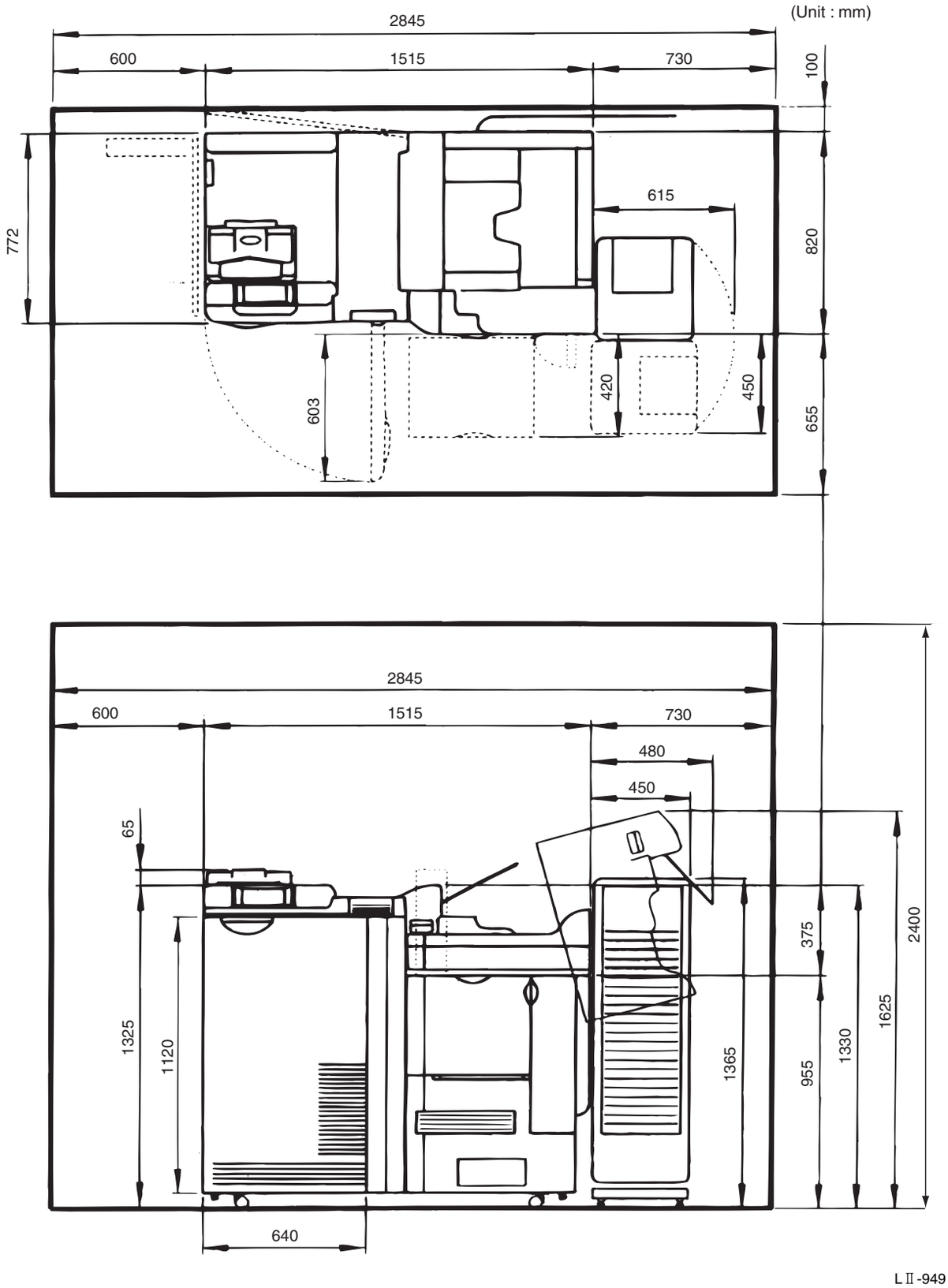
2.3 Installation Space



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2. MAIN SPECIFICATIONS

2.4 Maintenance Schedule

On the day when the regular inspection is due, a message appears at the pre-operational check stage. To keep the FRONTIER 590 operating at peak performance, conduct regular maintenance and inspections as indicated in the table below.

Item \ Schedule		Every Day		Every 2 Days	Every Week	Every Month	Every 3 Months	Every 6 Months	Every Year	Every Two Years	Refer to Section
		Pre-operational Check	Post-operational Check								
Scanner	Diffusion Box/LED Board Cover	Clean									3.2.1 *3
Scanner	Auto Film Carrier NC100AY Feed Lanes	Clean									3.2.2 *3
Printer/ Processor	Control Strip	Process/ Check									3.2.5 *3
Scanner	Auto Film Carrier NC100AY Magnetic Heads/Rollers		Clean								6.1.1 *3
Printer/ Processor	Waste Solution		Collect								6.1.2 *3
Printer/ Processor	Dryer Entrance Rack			Wash							3.2
Printer/ Processor	Crossover Racks				Wash						8.3 *3
Printer/ Processor	Upper Part of the P1/ P2/PS1 Processing Racks				Clean						8.3 *3
Printer/ Processor	Dryer Entrance Roller				Wash						3.3
Printer/ Processor	Dryer Rack Mesh Belt				Clean						3.4
Scanner	Light Source Section Air Filter					Clean				Replace	8.5 *3
Printer/ Processor	Printer Section Air Filter					Clean					8.6 *3
Printer/ Processor	Printer Power Supply Section Air Filters					Clean					8.7 *3
Printer/ Processor	Processing Solution Cooling Fan Air Filter					Clean					8.8 *3
Printer/ Processor	Dryer Section Air Filters					Clean					8.9 *3
Printer/ Processor	Dryer Exit Section Air Filter					Clean					8.10 *3
Printer/ Processor	P1/P2 Circulation Filters					Replace *1					8.11 *3
Printer/ Processor	Processing Racks					Wash					8.12 *3
Printer/ Processor	Auto-washing Nozzles					Clean					8.13 *3
Printer/ Processor	Paper Feed Section Rollers					Clean					8.14 *3
Printer/ Processor	Dryer Exit Section Rollers					Clean					8.15 *3
Printer/ Processor	Dryer Roller/Dryer Rack Mesh Belt					Clean					8.16 *3
Printer/ Processor	Exposure Section Cooling Air Filter						Replace				8.17 *3
Printer/ Processor	Densitometer White Board						Clean				8.18 *3
Scanner	G Laser Optimal Temperature Setup						Setup				4.6.2 *4
Printer/ Processor	PS Processing Solutions							Replace			8.19 *3
Printer/ Processor	PS Circulation Filters								Replace *2		8.20 *3
Printer/ Processor	Paper Magazine Rollers/Inside of the Magazine	Clean (at the time of paper end)									8.21 *3

*1: When printing in large quantities (average 5,000 prints par day), replace the filters every handled and fifty thousand prints.
*2: When printing in large quantities (average 2,800 prints par day), replace the filters every million prints.
*3: Basic Operating Instructions of FRONTIER 570
*4: Condition Setup and Maintenance of FRONTIER 570

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2.5 Regular Maintenance and Inspection Table

Item	Implementation Period (Every)	6 months	year	2 Years	3 Years	5 Years	Refer to
Scanner	Lens	Clean					Subsection 2.3.1*
	Mouse		Clean				Subsection 2.3.2*
	Auto Film Carrier		Inspect				Subsection 2.3.3*
	Floppy Disk Drive	Inspect					Subsection 2.3.7*
	CD-ROM Drive	Inspect					Subsection 2.3.8*
	Printing Functions	Inspect					Subsection 2.3.9*
	Carrier Base Slider Rails	Clean					Subsection 2.3.4*
	Carrier Base Slide Guides			Replace			Subsection 2.3.6*
	Carrier Base Plug-in Connector				Replace		Subsection 7.6.1*
	Main Control Unit Backup Battery					Replace	Subsection 9.3.4*
	Power Supply Cord	Clean					Subsection 2.3.5*
Printer/ Processor	Magazine Rollers		Inspect				Subsection 5.6.1*
	Cutters		Inspect	Replace			Subsection 2.3.10 for inspection* Subsection 11.1.12 for upper cutter replacement* Subsection 11.1.15 for lower cutter replacement*
	Back Printer Head		Inspect		Replace		Subsection 2.3.11 for inspection* Subsection 2.3.12 for replacement*
	Registration Section Feed Rollers				Clean		Subsection 2.3.13*
	Nip Release System (before exposure)			Inspect			Subsection 2.3.14*
	Sub-scanning Section Rollers				Clean		Subsection 2.3.15*
	Steel Belt				Replace		Subsection 12.3.3*
	Rubber Belt				Replace		Subsection 12.3.7*
	Cam Followers (Rubber Bearings)				Replace		Subsection 2.3.16*
	Distribution Pipe Slider			Inspect			Subsection 2.3.17*
	Distribution Section Nip Release System/ Rollers				Clean		Subsection 2.3.18*
	Laser Optical Unit Air Filter		Replace				Subsection 12.2.1*
	Processing Rack Helical Drive Gears		Grease				Subsection 2.3.19*
	P1R, P2RA, P2RB Pump Output/Leaks	Inspect					Subsection 5.7.1*
	PSR Pump Output/Leaks	Inspect					Subsection 5.7.1*
	PSR Pump Bellows/Valve			Replace			Subsection 16.2.6 for bellows* Subsection 16.2.5 for valve*
	Crossover Rack Auto Washing Nozzle	Inspect					Subsection 2.3.20*
	Dryer Entrance Rack Auto Washing Nozzle	Inspect					Subsection 2.3.20*
	Dryer Entrance Rack Soft Roller (Gray)			Replace			Section 6.2
	PS Tank Separate Plate Blade/Seal			Replace			Subsection 14.3.1*
	Circulation Pumps		Inspect				Subsection 2.3.21*
	Processing Solution Heaters		Inspect				Subsection 2.3.22*
	Processing Solution Level Sensors	Clean					Subsection 2.3.23*
	Replenisher Level Sensors	Clean					Subsection 2.3.24*
	PS4 Solution Concentration Sensor	Clean					Subsection 2.3.25*
	Waste Solution Level Sensor		Clean				Subsection 2.3.26*
	PSR Level Sensor			Inspect			Subsection 2.3.27*
	Processing Solution Temperature Sensors		Calibrate				Subsection 5.7.4*
	Solution Hoses/Clamps		Inspect				Subsection 2.3.28*
	Processor Drive Chain		Grease				Subsection 2.3.29*
	Dryer Rack Soft Roller (Gray)			Replace			Section 6.3
	Dryer Mesh Belt			Inspect			Subsection 2.3.30*

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2. MAIN SPECIFICATIONS

Item \ Implementation Period (Every)		6 months	year	2 Years	3 Years	5 Years	Refer to
Printer/ Processor	Drive Timing Belt Tension (Dryer Rack, Dryer Exit and Print Sending Units)			Inspect/ Adjust			Subsection 17.2.3 for Dryer rack unit* Subsection 18.1.10 for dryer exit unit* Subsection 18.2.2 for print sending unit*
	Print Sending Feed Belt Tension			Inspect			Subsection 18.2.3*
	Sorter Drive Chain Tension				Inspect		Subsection 18.4.7 for SU1400AY* Subsection 18.6.8 for SU2400AY*
	SU1400AY/SU2400AY Transverse Sorter Belt Tension				Inspect		Subsection 18.3.6 for SU1400AY* Subsection 18.5.8 for SU2400AY*
	SU1400AY/SU2400AY Sorter Stop Position				Inspect		Subsection 18.4.5 for SU1400AY* Subsection 18.6.9 for SU2400AY*

*: Refer to LP-5700 service manual

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3. ERROR MESSAGE

No.	Message	Factor	Actions
I-2221	Data was downloaded.	Additional language loading completed. (Causes of the error message) Data download completed.	—
I-2222	Data was deleted.	Additional language deleting completed. (Causes of the error message) Data deleting completed.	—
W-2223	Downloading of files failed. No message file was found. Check if the message file exists in the folder.	No additional language file (Causes of the error message) Message file is not in specified folder.	Copy message file to specified folder.
W-2224	Downloading of files failed. Writing of FROM failed. Download it again.	Additional language file writing failed. (Causes of the error message) Massage file writing to FROM failed.	1. Restart the system software. If the error occurs again, reinstall the system software. 2. Replace the GMC circuit board.
W-2225	Downloading of files failed. Version of printer and that of message file mismatched. Check the version of message file.	Language version unconformity (Causes of the error message) Version of message file does not meet with printer.	Down load message file with the same version as printer.
W-2226	Incorrect file contents. Undefined language was selected. Check the message file with the check tool.	Incorrect language ID (Causes of the error message) Undefined language ID is set to the message file.	Correct the message file with the checking tool.
W-2227	Incorrect file contents. Unregistered special character is used. Check the message file with the check tool.	Incorrect character code (Causes of the error message) Unregistered character is used in message file.	Correct the message file with the checking tool.
W-2228	Incorrect file contents. Necessary characters are insufficient. Check the message file with the check tool.	Lack of letter string (Causes of the error message) Lack of letter string in message file	Correct the message file with the checking tool.
W-2229	Incorrect file contents. Check the message file with the check tool.	Too much letter string (Causes of the error message) Too much letter string of message file	Correct the message file with the checking tool.
W-2230	Incorrect file contents. File with 0KB size exists. Check the file size, then download it again.	File size is zero. (Causes of the error message) File with size zero exists.	Create message file again correctly.
W-2231	Too large file size. File size exceeds 400KB. Be sure to use the file with the size less than 400KB.	Too large file size (Causes of the error message) File size exceeds 400 KB.	Reduce the file size less than 400 KB.
W-2331	Image control box cooling fan(F620) abnormal. After post-operational check is completed, restart the system. If problems persist, consult your technical representative.	Rotation of the image control section cooling fan (F620) is not detected. (Causes of the error message) 1. Poorly connected or broken harness between the image control section cooling fan (F620) and GMC4 on the GMC23 circuit board 2. Faulty F620 3. Faulty GMC23 circuit board	1. Connect the harness correctly, or repair or replace it. 2. Replace F620. 3. Replace the GMC23 circuit board.

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3. ERROR MESSAGE

No.	Message	Factor	Actions
E-2332	Image control box cooling fan(F620) abnormal. After post-operational check is completed, restart the system. If problems persist, consult your technical representative.	The temperature of the GMC23 circuit board exceeds 45 degrees and fan operation cannot be detected. (Causes of the error message) 1. Blocked GMC box or exhaust port 2. Poorly connected or broken harness between the image control section cooling fan (F620) and GMC4 on the GMC23 circuit board 3. Faulty F620 4. Faulty GMC23 circuit board	1. Remove the foreign matter. 2. Connect the harness correctly, or repair or replace it. 3. Replace F620. 4. Replace the GMC23 circuit board.
E-2333	Temperature in circuit board(GMC23) abnormal. After post-operational check is completed, restart the system. If problems persist, consult your technical representative.	Although the rotation of the image control section cooling fan (F620) is detected, the temperature of the GMC circuit board exceeds 45 °C. (Causes of the error message) 1. Ventilation holes in the GMC box are blocked by with foreign matter. 2. Faulty GMC23 circuit board	1. Remove foreign matter. 2. Replace the GMC23 circuit board.
E-2334	Communication error occurred in printer(GMC23-CTL23). After post-operational check is completed, restart the system. If problems persist, consult your technical representative.	Communication timeout between the GMC23 and CTL23 circuit boards. (Causes of the error message) 1. Poorly connected or broken harness between the GMC23 and CTL23 circuit boards 2. Abnormal CTL software 3. After data transmission, the GMC23 cannot receive any responses from the CTL23.	1. Connect the harness correctly, or repair or replace it. 2. Reinstall the system software. 3. Replace the CTL23 circuit board.
E-2335	The backup switch is turned off. Turn off the printer, then turn on the backup switch, and then restart the FRONTIER.	Backup battery switch on GPR is OFF. (Causes of the error message) Backup battery switch on GPR is OFF.	Turn ON the backup switch on the GPR and restart the printer
E-2350	Printer rear upper exhaust fan(F600/F601/F602/F603) abnormal. After post-operational check is completed, restart the system. If problems persist, consult your technical representative.	Fan rotation cannot be detected. (Causes of the error message) 1. Poorly connected or broken harness between the control section exhaust fan (F600/F601/ F602/F603) and PDA16 on the PDA26 circuit board 2. Faulty F600/F601/F602/F603 3. Faulty PDA26 circuit board	1. Connect the harness correctly, or repair or replace it. 2. Replace F600/F601/F602/F603. 3. Replace the PDA26 circuit board.
E-2351	Electric section cooling fan(F630) abnormal. After post-operational check is completed, restart the system. If problems persist, consult your technical representative.	Fan rotation cannot be detected. (Causes of the error message) 1. Poorly connected or broken harness between the power supply cooling fan (F630) and PAC03 on the PAC23 circuit board 2. Faulty F630 3. Faulty PAC23 circuit board	1. Connect the harness correctly, or repair or replace it. 2. Replace F630. 3. Replace the PAC23 circuit board.

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3. ERROR MESSAGE

No.	Message	Factor	Actions
W-2412	Upper cutter operation(M600/D601/D602) abnormal. When a paper jam occurs in the printer section, this problem is solved by removing the paper. After post-operational check is completed, restart the system. If problems persist, consult your technical representative.	Home position or close sensor does not function during operation. (Causes of the error message) 1. Jammed paper remains. 2. Poorly connected or broken harness between: 1) The upper cutter open (home) position sensor (D601) and the JND2 on the JND23 circuit board 2) The upper cutter close (home) position sensor (D602) and the JND2 on the JND23 circuit board 3) The upper cutter drive motor (M600) and the PDA4 on the PDA26 circuit board 4) The CTL9 on the CTL23 circuit board and the JND1 on the JND23 circuit board 5) The CTL13 on the CTL23 circuit board and the PDA1 on the PDA26 circuit board 3. Faulty D601 4. Faulty D602 5. Faulty M600 6. Faulty PDA26 circuit board 7. Faulty CTL23 circuit board	1. Remove paper. 2. Connect the harness correctly, or repair or replace it. 3. Replace D601. 4. Replace D602. 5. Replace M600. 6. Replace the PDA26 circuit board. 7. Replace the CTL23 circuit board.
W-2413	Lower cutter operation(M601/D603/D604) abnormal. When a paper jam occurs in the printer section, this problem is solved by removing the paper. After post-operational check is completed, restart the system. If problems persist, consult your technical representative.	Home position or close sensor does not function during operation. (Causes of the error message) 1. Jammed paper remains. 2. Poorly connected or broken harness between: 1) The lower cutter open (home) position sensor (D603) and the JND3 on the JND23 circuit board 2) The lower cutter close (home) position sensor (D604) and the JND3 on the JND23 circuit board 3) The lower cutter drive motor (M601) and the PDA4 on the PDA26 circuit board 4) The CTL9 on the CTL23 circuit board and the JND1 on the JND23 circuit board 5) The CTL13 on the CTL23 circuit board and the PDA1 on the PDA26 circuit board 3. Faulty D603 4. Faulty D604 5. Faulty M601 6. Faulty PDA26 circuit board 7. Faulty CTL23 circuit board	1. Remove paper. 2. Connect the harness correctly, or repair or replace it. 3. Replace the cutter unit. 4. Replace the cutter unit. 5. Replace the cutter unit. 6. Replace the PDA26 circuit board. 7. Replace the CTL23 circuit board.

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3. ERROR MESSAGE

No.	Message	Factor	Actions
W-2448	Initializing of upper cutter failed(M600,D601,D602). After post-operational check is completed, restart the system. If problems persist, consult your technical representative.	• Both the cutter open and close sensors detect their home position. • Cutter error flag is detected. • The cutter close position sensor does not function even after the specified time has elapsed. (Causes of the error message) 1. Poorly connected or broken harness between: 1) D601, D602 and the JND2 on the JND23 circuit board 2) The CTL9 on the CTL23 circuit board and the JND1 on the JND23 circuit board 3) The M600 and the PDA4 on the PDA26 circuit board 4) The CTL13 on the CTL23 circuit board and the PDA1 on the PDA26 circuit board 2. Faulty upper cutter drive motor (M600) 3. Faulty upper cutter open (home) position sensor (D601) 4. Faulty upper cutter close position sensor (D602) 5. Faulty PDA26 circuit board 6. Faulty CTL23 circuit board	1. Connect the harness correctly, or repair or replace it. 2. Replace the upper cutter unit. 3. Replace the upper cutter unit. 4. Replace the upper cutter unit. 5. Replace the PDA26 circuit board. 6. Replace the CTL23 circuit board.
W-2449	Initializing of lower cutter failed(M601,D603,D604). After post-operational check is completed, restart the system. If problems persist, consult your technical representative.	• Both the cutter open and close sensors detect their home position. • Cutter error flag is detected. • The cutter close position sensor does not function even after the specified time has elapsed. (Causes of the error message) 1. Poorly connected or broken harness between: 1) D603, D604 and the JND2 on the JND23 circuit board 2) The CTL9 on the CTL23 circuit board and the JND1 on the JND23 circuit board 3) The M601 and the PDA4 on the PDA26 circuit board 4) The CTL13 on the CTL23 circuit board and the PDA1 on the PDA26 circuit board 2. Faulty lower cutter drive motor (M601) 3. Faulty lower cutter open (home) position sensor (D603) 4. Faulty lower cutter close position sensor (D604) 5. Faulty PDA26 circuit board 6. Faulty CTL23 circuit board	1. Connect the harness correctly, or repair or replace it. 2. Replace the lower cutter unit. 3. Replace the lower cutter unit. 4. Replace the lower cutter unit. 5. Replace the PDA26 circuit board. 6. Replace the CTL23 circuit board.

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3. ERROR MESSAGE

No.	Message	Factor	Actions
W-2450	Tilt in registration section(M641/D641) malfunction. After post-operational check is completed, restart the system. If problems persist, consult your technical representative.	Tilt home position cannot be detected. (Causes of the error message) 1. Poorly connected or broken harness between: 1) The tilt home position sensor (D641) and the JND5 on the JND23 circuit board 2) The CTL9 on the CTL23 circuit board and the JND1 on the JND23 circuit board 3) The registration tilt motor (M641) and the PDA10 on the PDA26 circuit board 4) The CTL13 on the CTL23 circuit board and the PDA1 on the PDA26 circuit board 2. Faulty tilt home position sensor (for M641) (D641) 3. Faulty registration tilt motor (M641) 4. Faulty PDA26 circuit board 5. Faulty CTL23 circuit board 6. Faulty registration mechanism	1. Connect the harness correctly, or repair or replace it. 2. Replace D641. 3. Replace M641. 4. Replace the PDA26 circuit board. 5. Replace the CTL23 circuit board. 6. Replace the registration unit.
W-2451	Registration section nip(M642/D642) malfunction. After post-operational check is completed, restart the system. If problems persist, consult your technical representative.	Nip release home position cannot be detected. (Causes of the error message) 1. Poorly connected or broken harness between: 1) The nip release home position sensor (D642) and the JND5 on the JND23 circuit board 2) The CTL9 on the CTL23 circuit board and the JND1 on the JND23 circuit board 3) The nip release motor (M642) and the PDA10 on the PDA26 circuit board 4) The CTL13 on the CTL23 circuit board and the PDA1 on the PDA26 circuit board 2. Faulty nip release home position Sensor 1 (for M642) (D642) 3. Faulty nip release motor (M642) 4. Faulty PDA26 circuit board 5. Faulty CTL23 circuit board 6. Faulty registration mechanism	1. Connect the harness correctly, or repair or replace it. 2. Replace D642. 3. Replace M642. 4. Replace the PDA26 circuit board 5. Replace the CTL23 circuit board 6. Replace the registration unit.
W-2452	Exposure section nip(M651/D651) malfunction. After post-operational check is completed, restart the system. If problems persist, consult your technical representative.	Nip home position cannot be detected. (Causes of the error message) 1. Poorly connected or broken harness between: 1) The soft nip home position sensor (for M651) (D651) and the JND6 on the JND23 circuit board. 2) The soft nip motor (M651) and the PDA11 on the PAD23 circuit board 3) The CTL9 on the CTL23 circuit board and the JND1 on the JND23 circuit board 4) The CTL13 on the CTL23 circuit board and the PDA1 on the PDA26 circuit board 2. Faulty D651 3. Faulty M651 4. Faulty PDA26 circuit board 5. Faulty CTL23 circuit board 6. Faulty cam mechanism	1. Connect the harness correctly, or repair or replace it. 2. Replace D651. 3. Replace M651. 4. Replace the PDA26 circuit board. 5. Replace the CTL23 circuit board. 6. Replace the sub scanning unit.

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3. ERROR MESSAGE

No.	Message	Factor	Actions
W-2453	Sub scanning receiving section nip(M655/D655/M656/D656) malfunction. After post-operational check is completed, restart the system. If problems persist, consult your technical representative.	Nip release home position cannot be detected. (Causes of the error message) 1. Poorly connected or broken harness between: 1) The nip release home position Sensor 2 (for M655)/3 (for M656) (D655/D656) and the JND7 on the JND23 circuit board 2) The nip release motor 2/3 (M655/M656) and the PDA12 on the PDA26 circuit board 3) The CTL9 on the CTL23 circuit board and the JND1 on the JND23 circuit board 4) The CTL13 on the CTL23 circuit board and the PDA1 on the PDA26 circuit board 2. Faulty D655/D656 3. Faulty M655/M656 4. Faulty PDA26 circuit board 5. Faulty CTL23 circuit board 6. Faulty nip release mechanism	1. Connect the harness correctly, or repair or replace it. 2. Replace D655/D656. 3. Replace M655/M656. 4. Replace the PDA26 circuit board. 5. Replace the CTL23 circuit board. 6. Replace the distribution entrance unit.
W-2454	Nip in distribution section(M662/D662/M663/D663) malfunction. After post-operational check is completed, restart the system. If problems persist, consult your technical representative.	Nip release home position cannot be detected. (Causes of the error message) 1. Poorly connected or broken harness between: 1) The nip release home position Sensor 4 (front/rear) (D662/D663) and the JND8 on the JND23 circuit board 2) The nip release motor 4 (front/rear) (M662/M663) and the PDA14 on the PDA26 circuit board 3) The CTL9 on the CTL23 circuit board and the JND1 on the JND23 circuit board 4) The CTL13 on the CTL23 circuit board and the PDA1 on the PDA26 circuit board 5) The CTL14 on the CTL23 circuit board and the PDA2 on the PDA26 circuit board 2. Faulty D662/D663 3. Faulty M662/M663 4. Faulty PDA26 circuit board 5. Faulty CTL23 circuit board 6. Faulty nip release mechanism	1. Connect the harness correctly, or repair or replace it. 2. Replace D662/D663. 3. Replace M662/M663. 4. Replace the PDA26 circuit board. 5. Replace the CTL23 circuit board. 6. Replace the distribution unit.

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3. ERROR MESSAGE

No.	Message	Factor	Actions
W-2455	Distribution section(M661/D661) malfunction. After post-operational check is completed, restart the system. If problems persist, consult your technical representative.	Distribution home position cannot be detected. (Causes of the error message) 1. Poorly connected or broken harness between: 1) The distribution home position sensor (for M661) (D661) and the JND8 on the JND23 circuit board 2) The distribution slide motor (M661) and the PDA13 on the PDA26 circuit board 3) The CTL9 on the CTL23 circuit board and the JND1 on the JND23 circuit board 4) The CTL13 on the CTL23 circuit board and the PDA1 on the PDA26 circuit board 2. Faulty D661 3. Faulty M661 4. Faulty PDA26 circuit board 5. Faulty CTL23 circuit board 6. Faulty nip release mechanism	1. Connect the harness correctly, or repair or replace it. 2. Replace D661. 3. Replace M661. 4. Replace the PDA26 circuit board. 5. Replace the CTL23 circuit board. 6. Replace the distribution unit.
W-2464	Conditions are not set properly, the calibration cannot be done. Problems persist, consult your technical representative.	Door is opened or temperature in printer is outside the range. (Causes of the error message) 1. Door is opened. 2. Temperature in printer is outside the range.	1. Close the door. 2. Restart the system software.
E-2465	Setting of sensor conditions failed.(Err%NUM%) Problems persist, consult your technical representative.	Sensor calibration error (Causes of the error message) 1. Sensor calibration error occurs.	1. Replace the sensor.
W-2466	Sensor output is lowered. Problems persist, consult your technical representative.	Low sensor output (Causes of the error message) 1. Low sensor output	1. Replace the sensor.
W-2467	Initializing of distribution section nip(M657/D657) failed. Open and close magazine door. If problems persist, consult your technical representative.	Home position cannot detect when initializing nip of distribution section. (Causes of the error message) 1. Disconnected or broken harness between nip release home position sensor for M657 (D657) and JND8 on JND23 circuit board 2. Disconnected or broken harness between nip release motor (M657) and PDA14 on PDA26 circuit board 3. Faulty D657 4. Faulty M657 5. Faulty JND23 circuit board 6. Faulty PDA26 circuit board 7. Faulty CTL23 circuit board 8. Faulty nip release mechanism	1. Reconnect, repair or replace the harness. 2. Reconnect, repair or replace the harness. 3. Replace the D657. 4. Replace the M657. 5. Replace the JND23 circuit board. 6. Replace the PDA26 circuit board. 7. Replace the CTL23 circuit board. 8. Replace the distribution unit.
E-2501	Anti-dust shutter abnormal. After post-operational check is completed, restart the system. If problems persist, consult your technical representative.	Shutter open/close sensor (D674) does not function even if operating anti-dust shutter at initialization. (Causes of the error message) 1. Poorly connected or broken harness between JROS on the laser unit and LDD7 on the LDD23 circuit board 2. Faulty D674 3. Faulty S673 4. Faulty LDD23 circuit board	1. Connect the harness correctly, or repair or replace it. 2. Replace D674. 3. Replace S673 4. Replace the JDD23 circuit board.

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3. ERROR MESSAGE

No.	Message	Factor	Actions
E-2502	Anti-dust fan malfunction. After post-operational check is completed, restart the system. If problems persist, consult your technical representative.	Fan does not function (Rotating sensor malfunction). (Causes of the error message) 1. Poorly connected or broken harness between JROS on the laser unit and LDD7 on the LDD23 circuit board 2. Faulty F610/F611/F612 3. Faulty LDD23 circuit board 4. Faulty CTL23 circuit board	1. Connect the harness correctly, or repair or replace it. 2. Replace F610/F611/F612. 3. Replace the JDD23 circuit board. 4. Replace the CTL23 circuit board.
E-2503	Polygon malfunction. After post-operational check is completed, restart the system. If problems persist, consult your technical representative.	Mechanical polygon is abnormal (Rotating sensor malfunction). (Causes of the error message) 1. Poorly connected or broken harness between JROS on the laser unit and LDD7 on the LDD23 circuit board 2. Faulty LDD23 circuit board 3. Faulty laser unit	1. Connect the harness correctly, or repair or replace it. 2. Replace the JDD23 circuit board. 3. Replace the laser unit.
E-2504	AOM driver cooling fan malfunction. After post-operational check is completed, restart the system. If problems persist, consult your technical representative.	AOM cooling fan malfunction (Rotating sensor malfunction). (Causes of the error message) 1. Poorly connected or broken harness between the AOM cooling fan (F614A) and LDD5 on the LDD23 circuit board 2. Faulty F614A 3. Faulty LDD23 circuit board	1. Connect the harness correctly, or repair or replace it. 2. Replace F614A. 3. Replace the JDD23 circuit board.
E-2505	LDD23 circuit board cooling fan malfunction. After post-operational check is completed, restart the system. If problems persist, consult your technical representative.	LDD cooling fan malfunction (Rotating sensor malfunction). (Causes of the error message) 1. Poorly connected or broken harness between the LDD cooling fan (F614B) and LDD5 on theLDD23 circuit board 2. Faulty F614B 3. Faulty LDD23 circuit board	1. Connect the harness correctly, or repair or replace it. 2. Replace F614B. 3. Replace the JDD23 circuit board.
E-2508	Communication error occurred in printer(GMC23-LDD23). After post-operational check is completed, restart the system. If problems persist, consult your technical representative.	Communication error occurred between the GMC23 and LDD23 circuit board. (Causes of the error message) 1. Poorly connected or broken harness between the LDD1 on the LDD23 circuit board and GMC2 on the GMC23 circuit board 2. Poorly connected or broken harness between the LDD2 on the LDD23 circuit board and PWR3 on the PWR23 circuit board 3. Replace the LDD23 circuit board 4. Replace the GMC23 circuit board	1. Connect the harness correctly, or repair or replace it. 2. Connect the harness correctly, or repair or replace it. 3. Replace the LDD23 circuit board. 4. Replace the GMC23 circuit board.
E-2509	Abnormal R laser (R-LD) information. The laser temperature control stopped. After post-operational check is completed, restart the system. If problems persist, consult your technical representative.	Abnormal data read from EEPROM in the laser unit at start-up. (Causes of the error message) 1. Poorly connected or broken harness between the laser unit and LDD11 on the LDD23 circuit board 2. Faulty LDD23 circuit board 3. Faulty laser unit	1. Connect the harness correctly, or repair or replace it. 2. Replace the LDD23 circuit board. 3. Replace the laser unit.
E-2510	Abnormal G laser (G-SHG) information. The laser temperature control stopped. After post-operational check is completed, restart the system. If problems persist, consult your technical representative.	Abnormal data read from EEPROM in the laser unit at start-up. (Causes of the error message) 1. Poorly connected or broken harness between the laser optical unit and LDD13 on the LDD23 circuit board 2. Faulty LDD23 circuit board 3. Faulty laser optical unit	1. Connect the harness correctly, or repair or replace it. 2. Replace the LDD23 circuit board. 3. Replace the laser optical unit.

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3. ERROR MESSAGE

No.	Message	Factor	Actions
E-2511	Abnormal B laser (B-LD) information. The laser temperature control stopped. After post-operational check is completed, restart the system. If problems persist, consult your technical representative.	Abnormal data read from EEPROM in the laser unit at start-up. (Causes of the error message) 1. Poorly connected or broken harness between the laser optical unit and LDD9 on the LDD23 circuit board 2. Faulty LDD23 circuit board 3. Faulty laser optical unit	1. Connect the harness correctly, or repair or replace it. 2. Replace the LDD23 circuit board. 3. Replace the laser optical unit.
E-2512	R laser (R-LD) temperature adjustment outside specified range. The laser temperature control stopped. After post-operational check is completed, restart the system. If problems persist, consult your technical representative.	Laser temperature did not converge within a specified range during initialization. (Causes of the error message) 1. Poorly connected or broken harness between the laser optical unit and LDD11 on the LDD23 circuit board 2. Faulty LDD23 circuit board 3. Faulty laser optical unit	1. Connect the harness correctly, or repair or replace it. 2. Replace the LDD23 circuit board. 3. Replace the laser optical unit.
E-2513	G laser (G-SHG) temperature adjustment outside specified range. The laser temperature control stopped. After post-operational check is completed, restart the system. If problems persist, consult your technical representative.	Laser temperature did not converge within a specified range during initialization. (Causes of the error message) 1. Poorly connected or broken harness between the laser optical unit and LDD12/LDD14 on the LDD23 circuit board 2. Faulty LDD23 circuit board 3. Faulty laser optical unit	1. Connect the harness correctly, or repair or replace it. 2. Replace the LDD23 circuit board. 3. Replace the laser optical unit.
E-2514	B laser (B-LD) temperature adjustment outside specified range. The laser temperature control stopped. After post-operational check is completed, restart the system. If problems persist, consult your technical representative.	Laser temperature did not converge within a specified range during initialization. (Causes of the error message) 1. Poorly connected or broken harness between the laser optical unit and LDD9 on the LDD23 circuit board 2. Faulty LDD23 circuit board 3. Faulty laser optical unit	1. Connect the harness correctly, or repair or replace it. 2. Replace the LDD23 circuit board. 3. Replace the laser optical unit.
E-2515	Abnormal R laser (R-LD) temperature. The laser temperature control stopped. After post-operational check is completed, restart the system. If problems persist, consult your technical representative.	1. Laser temperature exceeds the range. 2. Thermistor error is detected. (Causes of the error message) 1. Poorly connected or broken harness between the laser optical unit and LDD11 on the LDD23 circuit board 2. Faulty LDD23 circuit board 3. Faulty laser optical unit	1. Connect the harness correctly, or repair or replace it. 2. Replace the LDD23 circuit board. 3. Replace the laser optical unit.
E-2516	Abnormal G laser (G-SHG) temperature. The laser temperature control stopped. After post-operational check is completed, restart the system. If problems persist, consult your technical representative.	1. Laser temperature exceeds the range. 2. Thermistor error is detected. (Causes of the error message) 1. Poorly connected or broken harness between the laser optical unit and LDD12/LDD14 on the LDD23 circuit board 2. Faulty LDD23 circuit board 3. Faulty laser optical unit	1. Connect the harness correctly, or repair or replace it. 2. Replace the LDD23 circuit board. 3. Replace the laser optical unit.
E-2517	Abnormal B laser (B-LD) temperature. The laser temperature control stopped. After post-operational check is completed, restart the system. If problems persist, consult your technical representative.	1. Laser temperature exceeds the range. 2. Thermistor error is detected. (Causes of the error message) 1. Poorly connected or broken harness between the laser optical unit and LDD9 on the LDD23 circuit board 2. Faulty LDD23 circuit board 3. Faulty laser optical unit	1. Connect the harness correctly, or repair or replace it. 2. Replace the LDD23 circuit board. 3. Replace the laser optical unit.

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3. ERROR MESSAGE

No.	Message	Factor	Actions
E-2520	R laser (R-LD) current exceeded. After post-operational check is completed, restart the system. If problems persist, consult your technical representative.	LD current value limiter detection. (Causes of the error message) 1. Poorly connected or broken harness between the laser optical unit and LDD10 on the LDD23 circuit board 2. Faulty LDD23 circuit board 3. Faulty laser optical unit	1. Connect the harness correctly, or repair or replace it. 2. Replace LDD23 circuit board. 3. Replace the laser optical unit.
E-2521	G laser (G-SHG) current exceeded. After post-operational check is completed, restart the system. If problems persist, consult your technical representative.	LD current value limiter detection. (Causes of the error message) 1. Poorly connected or broken harness between the laser optical unit and LDD12 on the LDD23 circuit board 2. Faulty LDD23 circuit board 3. Faulty laser optical unit	1. Connect the harness correctly, or repair or replace it. 2. Replace LDD23 circuit board. 3. Replace the laser optical unit.
E-2522	B laser (B-LD) current exceeded. After post-operational check is completed, restart the system. If problems persist, consult your technical representative.	LD current value limiter detection. (Causes of the error message) 1. Poorly connected or broken harness between the laser optical unit and LDD8 on the LDD23 circuit board 2. Faulty LDD23 circuit board 3. Faulty laser optical unit	1. Connect the harness correctly, or repair or replace it. 2. Replace LDD23 circuit board. 3. Replace the laser optical unit.
E-2523	R laser (R-LD) current measurement value outside specified range. After post-operational check is completed, restart the system. If problems persist, consult your technical representative.	PD current value does not converge within a specified range. (Causes of the error message) 1. Poorly connected or broken harness between the laser optical unit and LDD10 on the LDD23 circuit board 2. Faulty LDD23 circuit board 3. Faulty laser optical unit	1. Connect the harness correctly, or repair or replace it. 2. Replace the LDD23 circuit board. 3. Replace the laser optical unit.
E-2524	G laser (G-SHG) current measurement value outside specified of range. After post-operational check is completed, restart the system. If problems persist, consult your technical representative.	PD current value does not converge within a specified range. (Causes of the error message) 1. Poorly connected or broken harness between the laser optical unit and LDD12 on the LDD23 circuit board 2. Faulty LDD23 circuit board 3. Faulty laser optical unit	1. Connect the harness correctly, or repair or replace it. 2. Replace the LDD23 circuit board. 3. Replace the laser optical unit.
E-2525	B laser (B-LD) current measurement value outside specified range. After post-operational check is completed, restart the system. If problems persist, consult your technical representative.	PD current value does not converge within a specified range. (Causes of the error message) 1. Poorly connected or broken harness between the laser optical unit and LDD8 on the LDD23 circuit board 2. Faulty LDD23 circuit board 3. Faulty laser optical unit	1. Connect the harness correctly, or repair or replace it. 2. Replace the LDD23 circuit board. 3. Replace the laser optical unit.
E-2529	SOS detection failed. After post-operational check is completed, restart the system. If problems persist, consult your technical representative.	SOS (Start of Scanning) is not detected. (Causes of the error message) 1. Poorly connected or broken harness between JROS on the laser optical unit and LDD7 on the LDD23 circuit board 2. Poorly connected or broken harness between LDD1 on the LDD23 circuit board and GEP10 on the GEP23 circuit board 3. Poorly connected connector on the DTA23 circuit board on ROS 4. Faulty DTA23 circuit board 5. Faulty GEP23 circuit board 6. Faulty LDD23 circuit board 7. Faulty laser unit	1. Connect the harness correctly, or repair or replace it. 2. Connect the harness correctly, or repair or replace it. 3. Connect the harness correctly, or repair or replace it. 4. Replace the laser optical unit. 5. Replace the GEP23 circuit board. 6. Replace the LDD23 circuit board. 7. Replace the laser unit.

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3. ERROR MESSAGE

No.	Message	Factor	Actions
E-2530	Electric power failure occurred in the exposure and light source sections. After post-operational check is completed, restart the system. If problems persist, consult your technical representative.	Abnormal power voltage on the LDD23 circuit board. (Causes of the error message) 1. Poorly connected or broken harness between LDD2/3/4 on the LDD23 circuit board and PWR3/6 on the PWR23 circuit board 2. Faulty LDD23 circuit board 3. Faulty PWR23 circuit board	1. Connect the harness correctly, or repair or replace it. 2. Replace the LDD23 circuit board. 3. Replace the PWR23 circuit board.
E-2534	R laser (R-LD) connector removed or temperature sensor abnormal. After post-operational check is completed, restart the system. If problems persist, consult your technical representative.	Laser thermistor detected. (Causes of the error message) 1. Poorly connected or broken harness between LDR1 on the laser optical unit and LDD11 on the LDD23 circuit board 2. Faulty LDD23 circuit board 3. Faulty laser optical unit	1. Connect the harness correctly, or repair or replace it. 2. Replace the LDD23 circuit board. 3. Replace the laser optical unit.
E-2535	G laser (G-SHG) connector removed or temperature sensor abnormal. After post-operational check is completed, restart the system. If problems persist, consult your technical representative.	Laser thermistor detected. (Causes of the error message) 1. Poorly connected or broken harness between JMH2 on the laser optical unit and LDD12 on the LDD23 circuit board 2. Faulty LDD23 circuit board 3. Faulty laser optical unit	1. Connect the harness correctly, or repair or replace it. 2. Replace the LDD23 circuit board. 3. Replace the laser optical unit.
E-2536	B laser (B-LD) connector removed or temperature sensor abnormal. After post-operational check is completed, restart the system. If problems persist, consult your technical representative.	Laser thermistor detected. (Causes of the error message) 1. Poorly connected or broken harness between LDB1 on the laser optical unit and LDD9 on the LDD23 circuit board 2. Faulty LDD23 circuit board 3. Faulty laser optical unit	1. Connect the harness correctly, or repair or replace it. 2. Replace the LDD23 circuit board. 3. Replace the laser optical unit.
E-2542	AOM driver temperature error occurred. After post-operational check is completed, restart the system. If problems persist, consult your technical representative.	Abnormal temperature of AOM driver is detected. (Causes of the error message) 1. Faulty temperature control circuit on the AOM driver	1. Replace the AOM driver.
E-2544	An error detected by R-laser (R-LD) sensor. After post-operational check is completed, restart the system. If problems persist, consult your technical representative.	Laser thermistor detected. (Causes of the error message) 1. Faulty LDD23 circuit board 2. Faulty laser thermistor	1. Replace the LDD23 circuit board. 2. Replace the laser optical unit.
E-2545	An error detected by G-laser(G-SHG) sensor. After post-operational check is completed, restart the system. If problems persist, consult your technical representative.	Laser thermistor detected. (Causes of the error message) 1. Faulty LDD23 circuit board 2. Faulty laser thermistor	1. Replace the LDD23 circuit board. 2. Replace the laser optical unit.
E-2546	An error detected by B-laser (B-LD) sensor. After post-operational check is completed, restart the system. If problems persist, consult your technical representative.	Laser thermistor detected. (Causes of the error message) 1. Faulty LDD23 circuit board 2. Faulty laser thermistor	1. Replace the LDD23 circuit board. 2. Replace the laser optical unit.
E-2547	Fuse in exposure section blown out. After post-operational check is completed, restart the system. If problems persist, consult your technical representative.	Blown fuse is detected. (Causes of the error message) 1. Blown fuse on the LDD23 circuit board	1. Replace the blown fuse on the LDD23 circuit board.

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3. ERROR MESSAGE

No.	Message	Factor	Actions
E-2548	DTA connector disconnected. After post-operational check is completed, restart the system. If problems persist, consult your technical representative.	Disconnected DTA connector is detected. (Causes of the error message) 1. Poorly connected or broken harness between JROS on the laser optical unit and LDD7 on the LDD23 circuit board	1. Connect the connector, or repair or replace the harness.
E-2580	R-laser (R-LD) CB temperature error occurred. After post-operational check is completed, restart the system. If problems persist, consult your technical representative.	R laser CB temperature is outside the specified range. (Causes of the error message) 1. Faulty CB temperature control section on the LDR23 circuit board	1. Replace the laser optical unit.
E-2592	Exposing process failed. Problems persist, consult your technical representative.	Exposure timeout is detected. (Causes of the error message) Exposure timeout is detected.	Remove remaining paper and close the door. If the error occurs frequently, perform following: 1. Replace the image processing box. 2. Replace the LDD circuit board.
W-2604	Sorter operation(M810/D810) abnormal. After post-operational check is completed, restart the system. If problems persist, consult your technical representative.	Sorter malfunction. (Causes of the error message) 1. Poorly connected or broken harness between: 1) Sorter cable 2) The sorter tray stop position sensor (D810) and the SWA3 on the SWA20 circuit board 3) The sorter drive motor (M810) and the SWA2 on the SWA20 circuit board 4) The SWA1 on the SWA23 circuit board and the JNE6 on the JNE23 circuit board 5) The CTL10 on the CTL23 circuit board and the JNE1 on the JNE23 circuit board 2. Faulty D810 3. Faulty M810 4. Faulty SWA20 circuit board 5. Tray and chain setting position error. Loaded by interference. 6. Faulty CTL23 circuit board	1. Connect the cable correctly, or repair or replace it. 2. Replace D810. 3. Replace M810. 4. Replace the SWA20 circuit board. 5. Install the sorter chain and trays properly. 6. Replace the CTL23 circuit board.
E-2608	Communication error occurred in printer(GMC23-CTL23). After post-operational check is completed, restart the system. If problems persist, consult your technical representative.	Communication time-out with processor occurred. (Causes of the error message) 1. Poorly connected or broken harness between: 1) The GPR23 and the GMC23 circuit boards 2) The GPR2 on the GPR23 circuit board and the CTL1 on the CTL23 circuit board 2. Faulty CTL23 circuit board 3. Faulty GPR23 circuit board 4. Faulty GMC23 circuit board	1. Connect the harness correctly, or repair or replace it. 2. Replace the CTL23 circuit board 3. Replace the GPR23 circuit board 4. Replace the GMC23 circuit board

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No.	Message	Factor	Actions
E-2614	P1 processing tank temperature not rising. The heaters (H700 to H703) turned off. After post-operational check is completed, restart the system. If problems persist, consult your technical representative	Solution temperature does not rise more than 1 °C within 30 minutes. (Causes of the error message) 1. Abnormal heater system 2. Abnormal temperature sensor system 3. Abnormal circulation system 4. Poorly connected or broken harness between the K4 on the power supply unit 1 and PAC17 on the PAC23 circuit board 5. Faulty K4 6. CP5 has tripped	1. (See Subsection 3.3.5)* 2. (See Subsection 3.3.5)* 3. (See Subsection 3.3.5)* 4. Connect the harness correctly, or repair or replace it. 5. Replace the K2. 6. Reset CP3.
E-2615	P2 processing tank temperature not rising. The heaters (H700 to H703) turned off. After post-operational check is completed, restart the system. If problems persist, consult your technical representative.	Solution temperature does not rise more than 1 °C within 30 minutes. (Causes of the error message) 1. Abnormal heater system 2. Abnormal temperature sensor system 3. Abnormal circulation system 4. Poorly connected or broken harness between the K4 on the power supply unit 1 and PAC17 on the PAC23 circuit board 5. Faulty K4 6. CP5 has tripped	1. (See Subsection 3.3.5)* 2. (See Subsection 3.3.5)* 3. (See Subsection 3.3.5)* 4. Connect the harness correctly, or repair or replace it. 5. Replace the K4. 6. Reset CP5.
E-2616	PS1/2/3 processing tank temperatures not rising. The heaters (H700 to H703) turned off. After post-operational check is completed, restart the system. If problems persist, consult your technical representative.	Solution temperature does not rise more than 1 °C within 30 minutes. (Causes of the error message) 1. Abnormal heater system 2. Abnormal temperature sensor system 3. Abnormal circulation system 4. Poorly connected or broken harness between the K2 on the power supply unit 1 and PAC17 on the PAC23 circuit board 5. Faulty K2 6. CP3 has tripped	1. (See Subsection 3.3.5) 2. (See Subsection 3.3.5) 3. (See Subsection 3.3.5) 4. Connect the harness correctly, or repair or replace it. 5. Replace the K2. 6. Reset CP3.
E-2617	PS4 processing tank temperatures not rising. The heaters (H700 to H703) turned off. After post-operational check is completed, restart the system. If problems persist, consult your technical representative.	Solution temperature does not rise more than 1 °C within 30 minutes. (Causes of the error message) 1. Abnormal heater system 2. Abnormal temperature sensor system 3. Abnormal circulation system 4. Poorly connected or broken harness between the K4 on the power supply unit 1 and PAC17 on the PAC23 circuit board 5. Faulty K4 6. CP5 has tripped	1. (See Subsection 3.3.5)* 2. (See Subsection 3.3.5)* 3. (See Subsection 3.3.5)* 4. Connect the harness correctly, or repair or replace it. 5. Replace the K4. 6. Reset CP5.
E-2618	Dryer section temperature not rising. The heaters (H760 to 767) turned off. After post-operational check is completed, restart the system. If problems persist, consult your technical representative.	Dryer section temperature does not rise more than 1 °C in a minute at heat up. (Causes of the error message) 1. Cover around the dryer section is open. 2. Abnormal dryer heater system 3. Abnormal dryer temperature sensor 4. Abnormal dryer fan system 5. Poorly connected or broken harness between the K3/K5 on the power supply unit 1 and PAC17 on the PAC23 circuit board 6. Faulty K3 7. Faulty K5 8. CP4 has tripped 9. CP6 has tripped	1. (See Subsection 3.3.5)* 2. (See Subsection 3.3.5)* 3. (See Subsection 3.3.5)* 4. (See Subsection 3.3.5)* 5. Connect the harness correctly, or repair or replace it. 6. Replace K3. 7. Replace K5. 8. Reset CP4. 9. Reset CP6.

*:Refer to LP-5700 service manual.

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3. ERROR MESSAGE

No.	Message	Factor	Actions
E-2619	P1 processing tank temperature is out of range. The heaters (H700 to H703) turned off. After post-operational check is completed, restart the system. If problems persist, consult your technical representative.	P1 temperature is abnormal. (Causes of the error message) 1. Abnormal heater system 2. Abnormal temperature sensor system 3. Abnormal circulation system 4. Poorly connected or broken harness between the K2 on the power supply unit 1 and PAC17 on the PAC23 circuit board 5. Faulty K2 6. CP3 has tripped	1. (See Subsection 3.3.5)* 2. (See Subsection 3.3.5)* 3. (See Subsection 3.3.5)* 4. Connect the harness correctly, or repair or replace it. 5. Replace the K2. 6. Reset CP3.
E-2620	P2 processing tank temperature is out of range. The heaters (H700 to H703) turned off. After post-operational check is completed, restart the system. If problems persist, consult your technical representative.	P2 temperature is abnormal. (Causes of the error message) 1. Abnormal heater system 2. Abnormal temperature sensor system 3. Abnormal circulation system 4. Poorly connected or broken harness between the K4 on the power supply unit 1 and PAC17 on the PAC23 circuit board 5. Faulty K4 6. Reset CP5.	1. (See Subsection 3.3.5)* 2. (See Subsection 3.3.5)* 3. (See Subsection 3.3.5)* 4. Connect the harness correctly, or repair or replace it. 5. Replace the K4. 6. CP5 has tripped
E-2621	PS1/2/3 processing tank temperature is out of range. The heaters (H700 to H703) turned off. After post-operational check is completed, restart the system. If problems persist, consult your technical representative.	PS1/2/3 temperature is abnormal. (Causes of the error message) 1. Abnormal heater system 2. Abnormal temperature sensor system 3. Abnormal circulation system 4. Poorly connected or broken harness between the K2 on the power supply unit 1 and PAC17 on the PAC23 circuit board 5. Faulty K2 6. CP3 has tripped	1. (See Subsection 3.3.5)* 2. (See Subsection 3.3.5)* 3. (See Subsection 3.3.5)* 4. Connect the harness correctly, or repair or replace it. 5. Replace the K2. 6. Reset CP3.
E-2622	PS4 processing tank temperature is out of range. The heaters (H700 to H703) turned off. After post-operational check is completed, restart the system. If problems persist, consult your technical representative.	PS4 temperature is abnormal. (Causes of the error message) 1. Abnormal heater system 2. Abnormal temperature sensor system 3. Abnormal circulation system 4. Poorly connected or broken harness between the K4 on the power supply unit 1 and PAC17 on the PAC23 circuit board 5. Faulty K4 6. CP5 has tripped	1. (See Subsection 3.3.5)* 2. (See Subsection 3.3.5)* 3. (See Subsection 3.3.5)* 4. Connect the harness correctly, or repair or replace it. 5. Replace the K4. 6. Reset CP5.
E-2623	Dryer section temperature is out of range. The heaters (H760 to 767) turned off. After post-operational check is completed, restart the system. If problems persist, consult your technical representative.	Dryer section temperature is abnormal. (Causes of the error message) 1. Abnormal dryer heater system 2. Abnormal dryer temperature sensor system 3. Abnormal dryer fan system 4. Poorly connected or broken harness between the K3/K5 on the power supply unit 1 and PAC17 on the PAC23 circuit board 5. Faulty K3 6. Faulty K5 7. CP4 has tripped 8. CP6 has tripped	1. (See Subsection 3.3.5)* 2. (See Subsection 3.3.5)* 3. (See Subsection 3.3.5)* 4. Connect the harness correctly, or repair or replace it. 5. Replace the K3. 6. Replace the K5. 7. Reset CP4. 8. Reset CP6.

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3. ERROR MESSAGE

No.	Message	Factor	Actions
E-2624	P1 safety thermostat (D700) activated. The heaters (H700 to H703) turned off. After post-operational check is completed, restart the system. If problems persist, consult your technical representative.	Safety thermostat in the P1 processing tank is activated. (Causes of the error message) 1. Abnormal heater system 2. Abnormal temperature sensor system 3. Abnormal circulation system 4. Abnormal heater safety thermostat system 5. Control system abnormality	1. (See Subsection 3.3.5)* 2. (See Subsection 3.3.5)* 3. (See Subsection 3.3.5)* 4. (See Subsection 3.3.5)* 5. Reinstall system software or replace CTL23 circuit board
E-2625	P2 safety thermostat (D701) activated. The heaters (H700 to H703) turned off. After post-operational check is completed, restart the system. If problems persist, consult your technical representative.	Safety thermostat in the P2 processing tank is activated. (Causes of the error message) 1. Abnormal heater system 2. Abnormal temperature sensor system 3. Abnormal circulation system 4. Abnormal heater safety thermostat system 5. Control system abnormality	1. (See Subsection 3.3.5)* 2. (See Subsection 3.3.5)* 3. (See Subsection 3.3.5)* 4. (See Subsection 3.3.5)* 5. Reinstall system software or replace CTL23 circuit board
E-2626	PS1/2/3 safety thermostat (D702) activated. The heaters (H700 to H703) turned off. After post-operational check is completed, restart the system. If problems persist, consult your technical representative.	Safety thermostat in the PS1/2/3 processing tank is activated. (Causes of the error message) 1. Abnormal heater system 2. Abnormal temperature sensor system 3. Abnormal circulation system 4. Abnormal heater safety thermostat system 5. Control system abnormality	1. (See Subsection 3.3.5)* 2. (See Subsection 3.3.5)* 3. (See Subsection 3.3.5)* 4. (See Subsection 3.3.5)* 5. Reinstall system software or replace CTL23 circuit board
E-2627	PS4 safety thermostat (D703) activated. The heaters (H700 to H703) turned off. After post-operational check is completed, restart the system. If problems persist, consult your technical representative.	Safety thermostat in the PS4 processing tank is activated. (Causes of the error message) 1. Abnormal heater system 2. Abnormal temperature sensor system 3. Abnormal circulation system 4. Abnormal heater safety thermostat system 5. Control system abnormality	1. (See Subsection 3.3.5)* 2. (See Subsection 3.3.5)* 3. (See Subsection 3.3.5)* 4. (See Subsection 3.3.5)* 5. Reinstall system software or replace CTL23 circuit board
E-2628	Safety thermostat in dryer section (D760A,D760B) activated. The heaters (H760 to 767) turned off. After post-operational check is completed, restart the system. If problems persist, consult your technical representative.	Safety thermostat in dryer section is activated. (Causes of the error message) 1. Abnormal dryer heater system 2. Abnormal dryer temperature sensor system 3. Abnormal dryer fan system 4. Abnormal dryer heater safety thermostat system 5. Control system abnormality	1. (See Subsection 3.3.5)* 2. (See Subsection 3.3.5)* 3. (See Subsection 3.3.5)* 4. (See Subsection 3.3.5)* 5. Reinstall system software or replace CTL23 circuit board

*:Refer to LP-5700 service manual.

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3. ERROR MESSAGE

No.	Message	Factor	Actions
W-2641	P1R replenisher pump (PU721) malfunctions. If problems persist, consult your technical representative.	(Causes of the error message) 1. Pump malfunction due to bent or clogged hose 2. Faulty replenisher pump (due to hardened bellows, faulty rotation sensor or motor) 3. Poorly connected or broken harness between: 1) The PU721 and the PDB5 or the PDB3 on the PDB23 circuit board 2) The CTL12 on the CTL23 circuit board and the PDB1 on the PDB23 circuit board 3) The CTL10 on the CTL23 circuit board and the JNE1 on the JNE23 circuit board 4. Faulty PDB23 circuit board 5. Faulty CTL23 circuit board	1. Repair or replace the hose. 2. Replace the pump. 3. Connect the harness correctly, or repair or replace it. 4. Replace the PDB23 circuit board. 5. Replace the CTL23 circuit board.
W-2642	P2RA replenisher pump (PU722) malfunctions. If problems persist, consult your technical representative.	(Causes of the error message) 1. Pump malfunction due to bent or clogged hose 2. Faulty replenisher pump (due to hardened bellows, faulty rotation sensor or motor) 3. Poorly connected or broken harness between: 1) The PU722 and the PDB5 or the PDB3 on the PDB23 circuit board 2) The CTL12 on the CTL23 circuit board and the PDB1 on the PDB23 circuit board 3) The CTL10 on the CTL23 circuit board and the JNE1 on the JNE23 circuit board 4. Faulty PDB23 circuit board 5. Faulty CTL23 circuit board	1. Repair or replace the hose. 2. Replace the pump. 3. Connect the harness correctly, or repair or replace it. 4. Replace the PDB23 circuit board. 5. Replace the CTL23 circuit board.
W-2643	P2RB replenisher pump (PU723) malfunctions. If problems persist, consult your technical representative.	(Causes of the error message) 1. Pump malfunction due to bent or clogged hose 2. Faulty replenisher pump (due to hardened bellows, faulty rotation sensor or motor) 3. Poorly connected or broken harness between: 1) The PU723 and the PDB5 or the PDB3 on the PDB23 circuit board 2) The CTL12 on the CTL23 circuit board and the PDB1 on the PDB23 circuit board 3) The CTL10 on the CTL23 circuit board and the JNE1 on the JNE23 circuit board 4. Faulty PDB23 circuit board 5. Faulty CTL23 circuit board	1. Repair or replace the hose. 2. Replace the pump. 3. Connect the harness correctly, or repair or replace it. 4. Replace the PDB23 circuit board. 5. Replace the CTL23 circuit board.

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3. ERROR MESSAGE

No.	Message	Factor	Actions
W-2647	PSR replenisher pump (PU724) malfunctions. If problems persist, consult your technical representative.	(Causes of the error message) 1. Pump malfunction due to bent or clogged hose 2. Faulty replenisher pump (due to hardened bellows, faulty rotation sensor or motor) 3. Poorly connected or broken harness between: 1) The PU724 and the PDB5 or the PDB3 on the PDB23 circuit board 2) The CTL12 on the CTL23 circuit board and the PDB1 on the PDB23 circuit board 3) The CTL10 on the CTL23 circuit board and the JNE1 on the JNE23 circuit board 4. Faulty PDB23 circuit board 5. Faulty CTL23 circuit board	1. Repair or replace the hose. 2. Replace the pump. 3. Connect the harness correctly, or repair or replace it. 4. Replace the PDB23 circuit board. 5. Replace the CTL23 circuit board.
W-2650	Waste solution tank nearly full. Collect the solution in the recovery tank in the W2 manner.	Internal waste solution sensor detects “Solution exists”. (Causes of the error message) 1. Waste solution tank is full. 2. Poorly connected or broken harness between: 1) The waste solution level sensor (FS728) and the JNE6 on the JNE23 circuit board 2) The CTL10 on the CTL23 circuit board and the JNE1 on the JNE23 circuit board 3. Dirty FS728 4. Faulty FS728 5. Faulty CTL23 circuit board	1. Collect waste solution 2. Connect the harness correctly, or repair or replace it. 3. Clean FS728. 4. Replace FS728. 5. Replace the CTL23 circuit board.
W-2651	Waste solution tank full. Printing stopped. Collect the solution in the recovery tank in the W2 manner.	Internal waste solution sensor detects “Solution full”. (Causes of the error message) 1. Waste solution tank is full. 2. Poorly connected or broken harness between: 1) The waste solution level sensor (FS728) and the JNE6 on the JNE23 circuit board 2) The CTL10 on the CTL23 circuit board and the JNE1 on the JNE23 circuit board 3. Dirty FS728 4. Faulty FS728 5. Faulty CTL23 circuit board	1. Collect waste solution. 2. Connect the harness correctly, or repair or replace it. 3. Clean FS728. 4. Replace FS728. 5. Replace the CTL23 circuit board.

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3. ERROR MESSAGE

No.	Message	Factor	Actions
E-2653	Remaining replenisher abnormal. After post-operational check is completed, restart the system. If problems persist, consult your technical representative.	Status of P1R, P2RA, or P2RB level sensor changed during standby. (Causes of the error message) 1. Solution leakage from replenisher tank 2. Replenisher collected or supplied during stand-by. 3. Poorly connected or broken harness between: 1) The solution level sensor (FS720/FS721/FS722/FS724/FS725/FS726) and the JNE6 on the JNE23 circuit board 2) The CTL10 on the CTL23 circuit board and the JNE1 on the JNE23 circuit board 4. Faulty solution level sensor (FS720/FS721/FS722/FS724/FS725/FS726) 5. Faulty CTL23 circuit board	1. Repair solution leakage. 2. Take appropriate corrective measures. (See Subsection 3.3.12)* 3. Connect the harness correctly, or repair or replace it. 4. Replace FS720/FS721/FS722/FS724/FS725/FS726. 5. Replace the CTL23 circuit board.
E-2657	P1R replenishment flow volume or its solution level abnormal. About 510 3R-size sheets can still be printed without replenishment. Consult your technical representative.	Accumulated output amount of solution to P1R upper level sensor exceeds the specified value (1998.0 ml). (Causes of the error message) 1. Faulty P1R pump (PU721) 2. Faulty P1R stirring valve (S731) 3. Faulty P1R cartridge washing valve (S728) 4. Faulty P1R upper level sensor (FS720) 5. Bent or clogged P1R hose 6. Poorly connected or broken harness between: 1) The PU721 and the PDB5 on the PDB23 circuit board 2) The S731/S728 and the PDB8 on the PDB23 circuit board 3) The FS720 and the JNE6 on the JNE23 circuit board 4) The PDB1 on the PDB23 circuit board and the CTL12 on the CTL23 circuit board 5) The JNE1 on the JNE23 circuit board and the CTL10 on the CTL23 circuit board 7. Faulty PDB23 circuit board 8. Faulty CTL23 circuit board	1. (See Subsection 3.3.8)* 2. (See Subsection 3.3.10)* 3. (See Subsection 3.3.10)* 4. (See Subsection 3.3.11)* Take appropriate corrective measures. (See Subsection 3.3.12) 5. Repair or replace the hose. 6. Connect the harness correctly, or repair or replace it. 7. Replace the PDB23 circuit board. 8. Replace the CTL23 circuit board.

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3. ERROR MESSAGE

No.	Message	Factor	Actions
E-2658	P2RA replenishment flow volume or its solution level abnormal. About 510 3R-size sheets can still be printed without replenishment. Consult your technical representative.	Accumulated output amount of solution to P2RA upper level sensor exceeds the specified value (777.0ml). (Causes of the error message) 1. Faulty P2RA pump (PU722) 2. Faulty P2RA cartridge washing valve (S729) 3. Faulty P2RA upper level sensor (FS721) 4. Bent or clogged P2RA hose 5. Poorly connected or broken harness between: 1) The PU722 and the PDB5 on the PDB23 circuit board 2) The S731/S729 and the PDB8 on the PDB23 circuit board 3) The FS721 and the JNE6 on the JNE23 circuit board 4) The PDB1 on the PDB23 circuit board and the CTL12 on the CTL23 circuit board 5) The JNE1 on the JNE23 circuit board and the CTL10 on the CTL23 circuit board 6. Faulty PDB23 circuit board 7. Faulty CTL23 circuit board	1. (See Subsection 3.3.8)* 2. (See Subsection 3.3.10)* 3. (See Subsection 3.3.11)* Take appropriate corrective measures. (See Subsection 3.3.12)* 4. Repair or replace the hose. 5. Connect the harness correctly, or repair or replace it. 6. Replace the PDB23 circuit board. 7. Replace the CTL23 circuit board.
E-2659	P2RB replenishment flow volume or its solution level abnormal. About 510 3R-size sheets can still be printed without replenishment. Consult your technical representative.	Accumulated output amount of solution to P2RB upper level sensor exceeds the specified value (777.0ml). (Causes of the error message) 1. Faulty P2RB pump (PU723) 2. Faulty P2RB cartridge washing valve (S730) 3. Faulty P2RB upper level sensor (FS722) 4. Bent or clogged P2RB hose 5. Poorly connected or broken harness between: 1) The PU723 and the PDB5 on the PDB23 circuit board 2) The S731/S730 and the PDB8 on the PDB23 circuit board 3) The FS722 and the JNE6 on the JNE23 circuit board 4) The PDB1 on the PDB23 circuit board and the CTL12 on the CTL23 circuit board 5) The JNE1 on the JNE23 circuit board and the CTL10 on the CTL23 circuit board 6. Faulty PDB23 circuit board 7. Faulty CTL23 circuit board	1. (See Subsection 3.3.8)* 2. (See Subsection 3.3.10)* 3. (See Subsection 3.3.11)* Take appropriate corrective measures. (See Subsection 3.3.12)* 4. Repair or replace the hose. 5. Connect the harness correctly, or repair or replace it. 6. Replace the PDB23 circuit board. 7. Replace the CTL23 circuit board.

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3. ERROR MESSAGE

No.	Message	Factor	Actions
W-2668	SU2400AY alignment operation (M814/D814) abnormal. After post-operational check is completed, restart the system. If problems persist, consult your technical representative.	Abnormal print alignment (Causes of the error message) 1. Poorly connected or broken harness between: 1) Sorter cable 2) The print alignment motor for SU2400AY (M812) and the PDB10 on the PDB23 circuit board 3) The print alignment stop sensor (D814) and the JNE4 on the JNE23 circuit board 4) The PDB1 on the PDB23 circuit board and the CTL12 on the CTL23 circuit board 5) The JNE1 on the JNE23 circuit board and the CTL10 on the CTL23 circuit board 2. Faulty M812 3. Faulty D814 4. Faulty PDB23 circuit board 5. Increased load in the drive system for print alignment 6. Prints are hit by a sorter tray. 7. Faulty CTL23 circuit board	1. Connect the cable correctly, or repair or replace it. 2. Replace M812. 3. Replace D814. 4. Replace the PDB23 circuit board. 5. Repair the drive system. 6. Remove the sorter and then reinstall it. 7. Replace the CTL23 circuit board.
E-2675	P1R replenisher cartridge washing valve (S728) or P1R replenisher stirring valve (S731) malfunctions. About 510 3R-size sheets can still be printed without replenishment. Consult your technical representative.	Accumulated output amount of solution to P1R upper level sensor exceeds the specified value (1998.0ml). (Causes of the error message) 1. Faulty auto washing pump (PU720) 2. Faulty P1R stirring valve (S731) 3. Faulty P1R cartridge washing valve (S728) 4. Faulty P1R upper level sensor (FS720) 5. Bent or clogged P1R hose 6. Poorly connected or broken harness between: 1) The PU720 and the PDB7 on the PDB23 circuit board 2) The S738 and the PDB8 on the PDB23 circuit board 3) The FS720 and the JNE6 on the JNE23 circuit board 4) The PDB1 on the PDB23 circuit board and the CTL12 on the CTL23 circuit board 5) The JNE1 on the JNE23 circuit board and the CTL10 on the CTL23 circuit board 7. Faulty PDB23 circuit board 8. Faulty CTL23 circuit board	1. (See Subsection 3.3.8)* 2. (See Subsection 3.3.10)* 3. (See Subsection 3.3.10)* 4. (See Subsection 3.3.11) * Take appropriate corrective measures. (See Subsection 3.3.12)* 5. Repair or replace the hose. 6. Connect the harness correctly, or repair or replace it. 7. Replace the PDB23 circuit board. 8. Replace the CTL23 circuit board.

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3. ERROR MESSAGE

No.	Message	Factor	Actions
E-2676	P2RA replenisher cartridge washing valve (S729) malfunctions. About 510 3R-size sheets can still be printed without replenishment. Consult your technical representative.	Accumulated output amount of solution to P2RA upper level sensor exceeds the specified value (777.0ml). (Causes of the error message) 1. Faulty auto washing pump (PU720) 2. Faulty P2RA cartridge washing valve (S729) 3. Faulty P2RA upper level sensor (FS721) 4. Bent or clogged P2RA hose 5. Poorly connected or broken harness between: 1) The PU720 and the PDB7 on the PDB23 circuit board 2) The S729 and the PDB8 on the PDB23 circuit board 3) The FS721 and the JNE6 on the JNE23 circuit board 4) The PDB1 on the PDB23 circuit board and the CTL12 on the CTL23 circuit board 5) The JNE1 on the JNE23 circuit board and the CTL10 on the CTL23 circuit board 6. Faulty PDB23 circuit board 7. Faulty CTL23 circuit board	1. (See Subsection 3.3.8)* 2. (See Subsection 3.3.10)* 3. (See Subsection 3.3.11)* Take appropriate corrective measures. (See Subsection 3.3.12)* 4. Repair or replace the hose. 5. Connect the harness correctly, or repair or replace it. 6. Replace the PDB23 circuit board. 7. Replace the CTL23 circuit board.
E-2677	P2RB replenisher cartridge washing valve (S730) malfunctions. About 510 3R-size sheets can still be printed without replenishment. Consult your technical representative.	Accumulated output amount of solution to P2RB upper level sensor exceeds the specified value (777.0ml). (Causes of the error message) 1. Faulty auto washing pump (PU720) 2. Faulty P2RB cartridge washing valve (S730) 3. Faulty P2RB upper level sensor (FS722) 4. Bent or clogged P2RB hose 5. Poorly connected or broken harness between: 1) The PU723 and the PDB7 on the PDB23 circuit board 2) The S730 and the PDB8 on the PDB23 circuit board 3) The FS722 and the JNE6 on the JNE23 circuit board 4) The PDB1 on the PDB23 circuit board and the CTL12 on the CTL23 circuit board 5) The JNE1 on the JNE23 circuit board and the CTL10 on the CTL23 circuit board 6. Faulty PDB23 circuit board 7. Faulty CTL23 circuit board	1. (See Subsection 3.3.8)* 2. (See Subsection 3.3.10)* 3. (See Subsection 3.3.11) * Take appropriate corrective measures. (See Subsection 3.3.12)* 4. Repair or replace the hose. 5. Connect the harness correctly, or repair or replace it. 6. Replace the PDB23 circuit board. 7. Replace the CTL23 circuit board.
W-2680	Number of prints exceeds limit. Stop printing.	Accumulated output amount of P1R replenisher exceeds the specified range. (Causes of the error message) 1. Error in the replenishment system has not been solved.	1. Perform Menu 0123 “Error Information Check” to solve the error, and then take appropriate corrective measures. (See Subsection 3.3.12)*

*:Refer to LP-5700 service manual.

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3. ERROR MESSAGE

No.	Message	Factor	Actions
E-2685	Error occurred in replenishment section. After post-operational check is completed, restart the system. If problems persist, consult your technical representative.	System is started up but the replenishment section is in an error state.	1. Perform Menu 0123 “Error Information Check” to solve the error, and then take appropriate corrective measures. (See Subsection 3.3.12)*
I-2691	Solution remains in replenisher tank. After post-operational check is completed, restart the system. If problems persist, consult your technical representative.	Replenisher tank lower level sensor detects “Solution exists”. (Causes of the error message) 1. At the time of installation, when solution mixing is performed again after error recovery, a lower level sensor detects “Solution exists” because solution remains in the replenisher tank. 2. Faulty lower level sensor (FS724/FS725/FS726)	1. Drain solution remaining in the replenisher tank. 2. Replace FS724/FS725/FS726.
W-2696	Switching operation in feed lane(S770/D776) abnormal. After post-operational check is completed, restart the system. If problems persist, consult your technical representative.	Abnormal operation of the feeding path switching guide is detected. (Causes of the error message) 1. Foreign matter such as jammed paper in the feeding path switching guide section 2. Incorrectly positioned solenoid (Solenoid dog does not reach the sensor.) 3. Poorly connected or broken harness between: 1) The sorter tray section solenoid (S770) and the PDB11 on the PDB23 circuit board 2) The feeding path switch position sensor (D776) and the JNE3 on the JNE23 circuit board 3) The PDB1 on the PDB23 circuit board and the CTL12 on the CTL23 circuit board 4) The JNE1 on the JNE23 circuit board and the CTL10 on the CTL23 circuit board 4. Faulty S770 5. Faulty D776 6. Faulty PDB23 circuit board 7. Faulty CTL23 circuit board	1. Remove foreign matter. 2. Adjust the position of the solenoid. 3. Connect the harness correctly, or repair or replace it. 4. Replace S770. 5. Replace D776. 6. Replace the PDB23 circuit board. 7. Replace the CTL23 circuit board.

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3. ERROR MESSAGE

No.	Message	Factor	Actions
W-2699	Transversal sorter operation(M811/D813) abnormal. After post-operational check is completed, restart the system. If problems persist, consult your technical representative.	Abnormal operation of the transversal sorter is detected. (Causes of the error message) 1. Poorly connected or broken cable between the transversal sorter and processor. 2. Poorly connected or broken harness between: 1) The transversal sorter drive motor (M811) and the PDB10 on the PDB23 circuit board 2) The transversal sorter stop sensor (D813) and the JNE4 on the JNE23 circuit board 3) The PDB1 on the PDB23 circuit board and the CTL12 on the CTL23 circuit board 4) The JNE1 on the JNE23 circuit board and the CTL10 on the CTL23 circuit board 3. Faulty M811 4. Faulty D813 5. Faulty PDB23 circuit board 6. Increased load in the belt drive system 7. Faulty CTL23 circuit board	1. Connect the cable correctly, or repair or replace it. 2. Connect the harness correctly, or repair or replace it. 3. Replace M811. 4. Replace D813. 5. Replace the PDB23 circuit board. 6. Repair or replace the drive system. 7. Replace the CTL23 circuit board.
E-2752	Power failure in PS4 tank leak solution sensor circuit. After post-operational check is completed, restart the system. If problems persist, consult your technical representative.	Abnormal power supply to solution concentration detecting circuit (Causes of the error message) 1. Poorly connected or broken harness between: 1) The PS4 solution concentration sensor (FS706) and the CTL7 on the CTL23 circuit board 2) The JNE1 on the JNE23 circuit board and the CTL10 on the CTL23 circuit board 2. Faulty FS706 3. Faulty CTL23 circuit board	1. Connect the harness correctly, or repair or replace it. 2. Replace the FS706circuit board. 3. Replace the CTL23 circuit board
E-2761	Rotating of dryer fan (F760) abnormal. After post-operational check is completed, restart the system. If problems persist, consult your technical representative.	Dryer fan rotation detecting function is abnormal. (Causes of the error message) 1. Poorly connected or broken harness between: 1) The dryer fan (F760) and the PDB9 on the PDB23 circuit board 2) The PDB1 on the PDB23 circuit board and the CTL12 on the CTL23 circuit board 3) The JNE1 on the JNE23 circuit board and the CTL10 on the CTL23 circuit board 2. Faulty F760 3. Faulty PDB23 circuit board 4. Faulty CTL23 circuit board	1. Connect the harness correctly, or repair or replace it. 2. Replace F760. 3. Replace the PDB23 circuit board. 4. Replace the CTL23 circuit board.

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3. ERROR MESSAGE

No.	Message	Factor	Actions
W-2762	Thermometer abnormal. After post-operational check is completed, restart the system. If problems persist, consult your technical representative.	Thermohygrometer is faulty. (Causes of the error message) 1. Thermohygrometer (HS760) is covered with an obstacle. 2. Poorly connected or broken harness between: 1) The HS760 and the CTL15 on the CTL23 circuit board 2) The JNE1 on the JNE23 circuit board and the CTL10 on the CTL23 circuit board 3. Faulty HS760 4. Faulty CTL23 circuit board	1. Remove the obstacle. 2. Connect the harness correctly, or repair or replace it. 3. Replace HS760. 4. Replace the CTL23 circuit board.
W-2763	Hygrometer abnormal. After post-operational check is completed, restart the system. If problems persist, consult your technical representative.	Thermohygrometer is faulty. (Causes of the error message) 1. Thermohygrometer (HS760) is covered with an obstacle. 2. Poorly connected or broken harness between: 1) The HS760 and the CTL15 on the CTL23 circuit board 2) The JNE1 on the JNE23 circuit board and the CTL10 on the CTL23 circuit board 3. Faulty HS760 4. Faulty CTL23 circuit board	1. Remove the obstacle. 2. Connect the harness correctly, or repair or replace it. 3. Replace HS760. 4. Replace the CTL23 circuit board.
W-2764	Water addition data abnormal. After post-operational check is completed, restart the system. If problems persist, consult your technical representative.	Thermohygrometer is faulty. (Causes of the error message) 1. Thermohygrometer (HS760) is covered with an obstacle. 2. Poorly connected or broken harness between: 1) The HS760 and the CTL15 on the CTL23 circuit board 2) The JNE1 on the JNE23 circuit board and the CTL10 on the CTL23 circuit board 3. Faulty HS760 4. Faulty CTL23 circuit board	1. Remove the obstacle. 2. Connect the harness correctly, or repair or replace it. 3. Replace HS760. 4. Replace the CTL23 circuit board.
W-2771	Sorter operation(M810/D815) abnormal. After post-operational check is completed, restart the system. If problems persist, consult your technical representative.	Abnormal sorter (SU700AY) (Causes of the error message) 1. Poorly connected or broken harness between: 1) Sorter Drive Motor (M810) and SWA20 circuit board 2) Print Push Position Sensor (D815) and SWA20 circuit board 2. Faulty M810 3. Faulty D815 4. Faulty SWA20 circuit board 5. Faulty JNE23 circuit board 6. Faulty CTL23 circuit board 7. Excessive load on drive system	Restart the system software. If the error appears again, perform the following. 1. Connect the harness correctly, or repair or replace it. 2. Replace M810. 3. Replace D815. 4. Replace the SWA20 circuit board. 5. Replace the JNE23 circuit board. 6. Replace the CTL23 circuit board. 7. Check the drive system and repair it if necessary.
E-2773	Error occurred in AD converter. Heater(H700 to H703, H760 to H767) was turned off. After post-operational check is completed, restart the system. If problems persist, consult your technical representative.	Abnormal AD converter on CTL circuit board (Causes of the error message) 1. Disconnected CTL circuit board connector 2. Faulty AD converter	1. Reconnect the connectors on the CTL circuit board and restart the system. 2. Replace the CTL circuit board.

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3. ERROR MESSAGE

No.	Message	Factor	Actions
E-2774	Error occurred in thermometer(TS700 to TS703 or TS760). Heater(H700 to H703, H760 to H767) was turned off. After post-operational check is completed, restart the system. If problems persist, consult your technical representative.	Temperature sensor detects temperature outside conversion table. (Causes of the error message) 1. Faulty temperature sensor 2. Faulty CTL circuit board	1. Replace the temperature sensor. 2. Replace the CTL circuit board.
E-2801	Printer rear upper exhaust fan(F600,F601,F602,F603) abnormal. After post-operational check is completed, restart the system. If problems persist, consult your technical representative.	Fan alarm 1 (F600 to F603) (Causes of the error message) 1. Poorly connected following connector: 1) Control section exhaust fan 4 (F600) 2) Control section exhaust fan 1 (F601) 3) Control section exhaust fan 2 (F602) 4) Control section exhaust fan 3 (F603) 2. Faulty F600 3. Faulty F601 4. Faulty F602 5. Faulty F603	Restart the system software. 1. Reconnect the fan connector. 2. Replace F600. 3. Replace F601. 4. Replace F602. 5. Replace F603.
E-2802	Feed section cooling fan(F608,F609) abnormal. After post-operational check is completed, restart the system. If problems persist, consult your technical representative.	Fan alarm 2 (F608 and F609) (Causes of the error message) 1. Poorly connected following connector: 1) Feed section cooling fan 5 (F608) 2) Feed section cooling fan 6 (F609) 2. Faulty F608 3. Faulty F609	Restart the system software. 1. Reconnect the fan connector. 2. Replace F608. 3. Replace F609.
E-2803	Feed section cooling fan(F606,F607) abnormal. After post-operational check is completed, restart the system. If problems persist, consult your technical representative.	Fan alarm 3 (F606 and F607) (Causes of the error message) 1. Poorly connected following connector: 1) Feed section cooling fan 3 (F606) 2) Feed section cooling fan 4 (F607) 2. Faulty F606 3. Faulty F607	Restart the system software. 1. Reconnect the fan connector. 2. Replace F606. 3. Replace F607.
E-2804	Control section exhaust fan(F604) or feed section cooling fan(F605) abnormal. After post-operational check is completed, restart the system. If problems persist, consult your technical representative.	Fan alarm 4 (F604 and F605) (Causes of the error message) 1. Poorly connected following connector: 1) Feed section cooling fan 1 (F604) 2) Feed section cooling fan 2 (F605) 2. Faulty F604 3. Faulty F605	Restart the system software. 1. Reconnect the fan connector. 2. Replace F604. 3. Replace F605.
E-2805	AC input in main DC power source abnormal. After post-operational check is completed, restart the system. If problems persist, consult your technical representative.	The PS1 AC input is abnormal. (Causes of the error message) 1. Poorly connected or broken harness between the CTL11 on the CTL23 circuit board and PWR1 on the PWR23 circuit board 2. Faulty PWR23 circuit board 3. Poorly connected AC input cable connector in the DC power supply 4. Faulty unit (PS1) in the DC power supply	1. Connect the harness correctly, or repair or replace it. 2. Replace the PWR23 circuit board. 3. Connect the AC input cable connector in the DC power supply properly. 4. Replace the unit (PS1) in the DC power supply.

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3. ERROR MESSAGE

No.	Message	Factor	Actions
E-2806	AC input in main DC power source abnormal. After post-operational check is completed, restart the system. If problems persist, consult your technical representative.	The PS2 AC input is abnormal. (Causes of the error message) 1. Poorly connected or broken harness between the CTL11 on the CTL23 circuit board and PWR1 on the PWR23 circuit board 2. Faulty PWR23 circuit board 3. Poorly connected AC input cable connector in the DC power supply 4. Faulty unit (PS2) in the DC power supply	1. Connect the harness correctly, or repair or replace it. 2. Replace the PWR23 circuit board. 3 . Connect the AC input cable connector in the DC power supply properly. 4. Replace the unit (PS2) in the DC power supply.
E-2807	Main DC power source abnormal. After post-operational check is completed, restart the system. If problems persist, consult your technical representative.	PS1 built-in fan alarm (Causes of the error message) 1. Poorly connected or broken harness between the CTL11 on the CTL23 circuit board and PWR1 on the PWR23 circuit board 2. Faulty PWR23 circuit board 3. Faulty unit (PS1) in the DC power supply	1. Connect the harness correctly, or repair or replace it. 2. Replace the PWR23 circuit board. 3. Replace the unit (PS1) in the DC power supply.
E-2808	Main DC power source abnormal. After post-operational check is completed, restart the system. If problems persist, consult your technical representative.	PS2 built-in fan alarm (Causes of the error message) 1. Poorly connected or broken harness between the CTL11 on the CTL23 circuit board and PWR1 on the PWR23 circuit board 2. Faulty PWR23 circuit board 3. Faulty unit (PS2) in the DC power supply	1. Connect the harness correctly, or repair or replace it. 2. Replace the PWR23 circuit board. 3. Replace the unit (PS2) in DC power supply.
E-2809	DC output in main DC power source abnormal. After post-operational check is completed, restart the system. If problems persist, consult your technical representative.	PS1 LV (Low Voltage) abnormality (Causes of the error message) 1. Poorly connected or broken harness between the CTL11 on the CTL23 circuit board and PWR1 on the PWR23 circuit board 2. Faulty PWR23 circuit board 3. Faulty unit (PS1) in the DC power supply	1. Connect the harness correctly, or repair or replace it. 2. Replace the PWR23 circuit board. 3. Replace the unit (PS1) in the DC power supply.
E-2810	DC output in main DC power source abnormal. After post-operational check is completed, restart the system. If problems persist, consult your technical representative.	PS2 LV (Low Voltage) abnormality (Causes of the error message) 1. Poorly connected or broken harness between the CTL11 on the CTL23 circuit board and PWR1 on the PWR23 circuit board 2. Faulty PWR23 circuit board 3. Faulty unit (PS2) in the DC power supply	1. Connect the harness correctly, or repair or replace it. 2. Replace the PWR23 circuit board. 3. Replace the unit (PS2) in the DC power supply.
E-2823	CTL circuit board fuse blowout. After post-operational check is completed, restart the system. If problems persist, consult your technical representative.	Blown fuse for D+5V2 is detected. (Causes of the error message) 1. Poorly connected or broken harness between the CTL4 on the CTL23 circuit board and KEY1 on the operation panel 2. Blown fuse (F111) on the CTL23 circuit board caused by Item 1 above.	1. Connect the harness correctly, or repair or replace it. 2. Replace F111 on the CTL23 circuit board.

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3. ERROR MESSAGE

No.	Message	Factor	Actions
E-2824	CTL circuit board fuse blowout. After post-operational check is completed, restart the system. If problems persist, consult your technical representative.	Blown fuse for D+5Va is detected. (Causes of the error message) 1. Disconnected or broken cable for a printer-related sensor 2. Disconnected or broken cable for a processor-related sensor 3. Blown fuse (F112) on the CTL23 circuit board caused by Item 1 or 2 above.	1. Connect the printer-related sensor cable correctly, or repair or replace it. (Locate the faulty sensor by visual inspection while referring to the wiring diagram of the JND23 circuit board.) 2. Connect the processor-related sensor cable correctly, or repair or replace it. (Locate the faulty sensor by visual inspection while referring to the wiring diagram of the JNE23 circuit board.) 3. Replace F112 on the CTL23 circuit board.
E-2825	CTL circuit board fuse blowout. After post-operational check is completed, restart the system. If problems persist, consult your technical representative.	Blown fuse for D+5Vb is detected. (Causes of the error message) 1. Disconnected or broken cable for a printer-related motor or solenoid 2. Disconnected or broken cable for a processor-related motor or solenoid 3. Blown fuse (F113) on the CTL23 circuit boa	1. Connect the printer-related motor/ solenoid cable correctly, or repair or replace it. (Locate the faulty part by visual inspection while referring to the wiring diagram of the PDA26 circuit board.) 2. Connect the processor-related motor/solenoid cable c
E-2826	CTL circuit board fuse blowout. After post-operational check is completed, restart the system. If problems persist, consult your technical representative.	Blown fuse for A+5Va is detected. (Causes of the error message) 1. Disconnected or broken harness between the CTL15 on the CTL23 circuit board and HS760 2. Blown fuse (NFB1) on the CTL23 circuit board caused by Item 1 above	1. Connect the harness correctly, or repair or replace it. 2. Replace NFB1 on the CTL23 circuit board.
E-2836	Ambient temperature around electrical section in back of printer abnormal. After post-operational check is completed, restart the system. If problems persist, consult your technical representative.	Abnormal ambient temperature around a circuit board for mechanical control (CTL/PDA/PDB) is detected. (Causes of the error message) 1. Increased temperature due to dust, foreign matter, etc. in the CTL/PDA/ PDB circuit board bracket 2. Faulty PDA26 circuit	1. Remove dust, foreign matter, etc. from the inside of the CTL/PDA/ PDB circuit board bracket for proper heat radiation. 2. Replace the PDA26 circuit board.
E-2851	PAC circuit board power source abnormal. After post-operational check is completed, restart the system. If problems persist, consult your technical representative.	Abnormal PAC_MC5V power supply (abnormal PAC23 D+5V input) (Cause of the error message) Poorly connected or broken harness between the PAC01 on the PAC23 circuit board and CTL2 on the CTL23 circuit board	Connect the harness correctly, or repair or replace it.
E-2852	PAC circuit board power source abnormal. After post-operational check is completed, restart the system. If problems persist, consult your technical representative.	Abnormal PAC_+24V02 power supply (abnormal PAC23 +24V02 input) (Causes of the error message) 1. Poorly connected or broken harness between the PAC15 on the PAC23 circuit board and PWR5 on the PWR23 circuit board 2. Faulty PWR23 circuit board 3. Faulty unit	1. Connect the harness correctly, or repair or replace it. 2. Replace the PWR23 circuit board. 3. Replace the unit (PS2) in the DC power supply.

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No.	Message	Factor	Actions
E-2853	PAC circuit board power source abnormal. After post-operational check is completed, restart the system. If problems persist, consult your technical representative.	Abnormal PAC_+24V50 power supply (abnormal PAC23 +24V50 input) (Causes of the error message) 1. Poorly connected or broken harness between the PAC14 on the PAC23 circuit board and PWR8 on the PWR23 circuit board 2. Faulty PWR23 circuit board 3. Faulty unit	1. Connect the harness correctly, or repair or replace it. 2. Replace the PWR23 circuit board. 3. Replace the unit (PS1) in the DC power supply.
E-2854	Power supply cooling fan(F630) abnormal. After post-operational check is completed, restart the system. If problems persist, consult your technical representative.	Power supply/electrical equipment section fan alarm (Causes of the error message) 1. Poorly connected or broken harness between the power supply cooling fan (F630) and PAC03 on the PAC23 circuit board 2. Faulty Fan (F630)	Restart the system software. 1. Connect the harness correctly, or repair or replace it. 2. Replace F630.
E-2856	Electrical section relay abnormal. After post-operational check is completed, restart the system. If problems persist, consult your technical representative.	Abnormal K1relay (main power supply AC input) status (Cause of the error message) Faulty K1relay	Replace the K1 relay.
E-2859	Electrical equipment cooling fan(F631) abnormal. After post-operational check is completed, restart the system. If problems persist, consult your technical representative.	Power supply/electrical equipment section fan alarm (Causes of the error message) 1. Poorly connected or broken harness between: 1) Electrical equipment cooling fan 1 (F631A) and PAC03 on the PAC23 circuit board 2) Electrical equipment cooling fan 2 (F631	Restart the system software. 1. Connect the harness correctly, or repair or replace it. 2. Replace F631A. 3. Replace F631B.
E-2871	LDD circuit board power source abnormal. After post-operational check is completed, restart the system. If problems persist, consult your technical representative.	Abnormal +24V power supply is detected. (Causes of the error message) 1. Poorly connected or broken harness between the LDD4 on the LDD23 circuit board and PWR6 on the PWR23 circuit board 2. Faulty PWR23 circuit board 3. Faulty LDD23 circuit board	1. Connect the harness correctly, or repair or replace it. 2. Replace the PWR23 circuit board. 3. Replace the LDD23 circuit board.
E-2872	LDD circuit board power source abnormal. After post-operational check is completed, restart the system. If problems persist, consult your technical representative.	Abnormal +8V power supply is detected. (Causes of the error message) 1. Poorly connected or broken harness between the LDD4 on the LDD23 circuit board and PWR6 on the PWR23 circuit board 2. Faulty PWR23 circuit board 3. Faulty LDD23 circuit board	1. Connect the harness correctly, or repair or replace it. 2. Replace the PWR23 circuit board. 3. Replace the LDD23 circuit board.
E-2873	LDD circuit board power source abnormal. After post-operational check is completed, restart the system. If problems persist, consult your technical representative.	Abnormal +12V power supply is detected. (Causes of the error message) 1. Poorly connected or broken harness between the LDD4 on the LDD23 circuit board and PWR6 on the PWR23 circuit board 2. Faulty PWR23 circuit board 3. Faulty LDD23 circuit board	1. Connect the harness correctly, or repair or replace it. 2. Replace the PWR23 circuit board. 3. Replace the LDD23 circuit board.

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3. ERROR MESSAGE

No.	Message	Factor	Actions
E-2874	LDD circuit board power source abnormal. After post-operational check is completed, restart the system. If problems persist, consult your technical representative.	Abnormal -12V power supply is detected. (Causes of the error message) 1. Poorly connected or broken harness between the LDD4 on the LDD23 circuit board and PWR6 on the PWR23 circuit board 2. Faulty PWR23 circuit board 3. Faulty LDD23 circuit board	1. Connect the harness correctly, or repair or replace it. 2. Replace the PWR23 circuit board. 3. Replace the LDD23 circuit board.
E-2875	LDD circuit board power source abnormal. After post-operational check is completed, restart the system. If problems persist, consult your technical representative.	Abnormal +24V interlock power supply is detected. (Causes of the error message) 1. The magazine door opened. 2. Poorly connected or broken harness between the LDD3 on the LDD23 circuit board and PWR6 on the PWR23 circuit board 3. Faulty PWR23 circuit boar	1. Close the magazine door. 2 . Connect the harness correctly, or repair or replace it. 3. Replace the PWR23 circuit board. 4. Replace the LDD23 circuit board.
E-2876	LDD circuit board power source abnormal. After post-operational check is completed, restart the system. If problems persist, consult your technical representative.	Abnormal +12V interlock power supply is detected. (Causes of the error message) 1. The magazine door opened. 2. Poorly connected or broken harness between the LDD3 on the LDD23 circuit board and PWR6 on the PWR23 circuit board 3. Faulty PWR23 circuit boar	1. Close the magazine door. 2. Connect the harness correctly, or repair or replace it. 3. Replace the PWR23 circuit board. 4. Replace the LDD23 circuit board.
E-2877	LDD circuit board power source abnormal. After post-operational check is completed, restart the system. If problems persist, consult your technical representative.	Abnormal L+5V power supply is detected. (Cause of the error message) Faulty LDD23 circuit board	Replace the LDD23 circuit board.
E-2878	LDD circuit board power source abnormal. After post-operational check is completed, restart the system. If problems persist, consult your technical representative.	Abnormal L+8V power supply is detected. (Cause of the error message) Faulty LDD23 circuit board	Replace the LDD23 circuit board.
E-2879	LDD circuit board power source abnormal. After post-operational check is completed, restart the system. If problems persist, consult your technical representative.	Abnormal A+5V power supply is detected. (Cause of the error message) Faulty LDD23 circuit board	Replace the LDD23 circuit board.
E-2880	LDD circuit board power source abnormal. After post-operational check is completed, restart the system. If problems persist, consult your technical representative.	Abnormal A-5V power supply is detected. (Cause of the error message) Faulty LDD23 circuit board	Replace the LDD23 circuit board.
E-2881	LDD circuit board power source abnormal. After post-operational check is completed, restart the system. If problems persist, consult your technical representative.	Abnormal R+5V power supply is detected. (Cause of the error message) Faulty LDD23 circuit board	Replace the LDD23 circuit board.

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3. ERROR MESSAGE

No.	Message	Factor	Actions
E-2882	LDD circuit board power source abnormal. After post-operational check is completed, restart the system. If problems persist, consult your technical representative.	Abnormal R-5V power supply is detected. (Cause of the error message) Faulty LDD23 circuit board	Replace the LDD23 circuit board.
E-2884	LDD circuit board fuse blowout. After post-operational check is completed, restart the system. If problems persist, consult your technical representative.	Blown fuse for D+5V power supply is detected. (Causes of the error message) 1. Poorly connected or broken harness between the LDD7 on the LDD23 circuit board and JROS in the laser optical unit. 2. Faulty laser optical unit 3. Blown fuse (F138) on the LDD2	1. Connect the harness correctly, or repair or replace it. 2. Replace the laser optical unit. 3. Replace F138.
E-2885	LDD circuit board fuse blowout. After post-operational check is completed, restart the system. If problems persist, consult your technical representative.	Blown fuse for A+5V power supply is detected. (Causes of the error message) 1. Poorly connected or broken harness between the LDD7 on the LDD23 circuit board and JROS in the laser optical unit. 2. Faulty laser optical unit 3. Blown fuse (F135) on theLDD23	1. Connect the harness correctly, or repair or replace it. 2. Replace the laser optical unit. 3. Replace F135.
E-2886	LDD circuit board fuse blowout. After post-operational check is completed, restart the system. If problems persist, consult your technical representative.	Blown fuse for +24V power supply is detected. (Causes of the error message) 1. Poorly connected or broken harness between: 1) LDD15 on the LDD23 circuit board and F614A 2) LDD15 on the LDD23 circuit board and F614B 3) LDD5 on the LDD23 circuit board and A	1. Connect the harness correctly, or repair or replace it. 2. Replace the LDD/AOM driver cooling fan (F614A). 3. Replace the LDD/AOM driver cooling fan (F614B). 4. Replace the AOM driver. 5. Replace the laser optical unit. 6. Replace F132.
E-2887	LDD circuit board fuse blowout. After post-operational check is completed, restart the system. If problems persist, consult your technical representative.	Blown fuse for A+8V power supply is detected. (Causes of the error message) 1. Faulty laser optical unit 2. Blown fuse (F133) on the LDD23 circuit board caused by Item 1 above 3. Faulty LDD23 circuit board	1. Replace the laser optical unit. 2. Replace F133. 3. Replace the LDD23 circuit board.
E-2888	LDD circuit board fuse blowout. After post-operational check is completed, restart the system. If problems persist, consult your technical representative.	Blown fuse for A+12V power supply or abnormal A-12V voltage is detected. (Causes of the error message) 1. Poorly connected or broken harness between: 1) LDD5 on the LDD23 circuit board and AOM1 on the AOM driver 2) LDD7 on the LDD23 circuit board and JROS	1. Connect the harness correctly, or repair or replace it. 2. Replace the AOM driver. 3. Replace the laser optical unit. 4. Replace F134.
E-2889	LDD circuit board fuse blowout. After post-operational check is completed, restart the system. If problems persist, consult your technical representative.	Blown fuse for A-12V power supply or abnormal A+12V voltage is detected. (Causes of the error message) 1. Poorly connected or broken harness between: 1) LDD5 on the LDD23 circuit board and AOM1 on the AOM driver 2) LDD7 on the LDD23 circuit board and JROS	1. Connect the harness correctly, or repair or replace it. 2. Replace the AOM driver. 3. Replace the laser optical unit. 4. Replace F136.

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3. ERROR MESSAGE

No.	Message	Factor	Actions
E-2890	LDD circuit board fuse blowout. After post-operational check is completed, restart the system. If problems persist, consult your technical representative.	Blown fuse for A-12VR power supply is detected. (Causes of the error message) 1. Poorly connected or broken harness between the LDD5 on the LDD23 circuit board and AOM1 on the AOM driver 2. Faulty AOM driver 3. Blown fuse (F137) on the LDD23 circuit board	1. Connect the harness correctly, or repair or replace it. 2. Replace the AOM driver. 3. Replace F137.
E-2891	LDD circuit board fuse blowout. After post-operational check is completed, restart the system. If problems persist, consult your technical representative.	Blown fuse for IL+24V power supply is detected. (Causes of the error message) 1. Poorly connected or broken harness between the LDD7 on the LDD23 circuit board and JROS in the laser optical unit 2. Faulty fan (F670) 3. Faulty fan (F671) 4. Faulty fan (F67	1. Connect the harness correctly, or repair or replace it. 2. Replace F670. 3. Replace F671. 4. Replace F672. 5. Replace S673. 6. Replace F139.
E-2892	LDD circuit board fuse blowout. After post-operational check is completed, restart the system. If problems persist, consult your technical representative.	Blown IL+8V power supply fuse is detected. (Causes of the error message) 1. Faulty laser optical unit 2. Blown fuse (F131) on the LDD23 circuit board caused by Item 1 3. Faulty LDD23 circuit board	1. Replace the laser optical unit. 2. Replace F131. 3. Replace the LDD23 circuit board.

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4. MAINTENANCE MENU

4.1 Printer Adjustment/Maintenance (05)

4.1.1 Printer Input Check (0525)

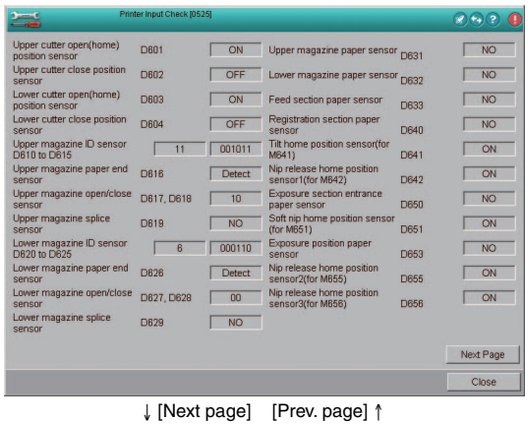
This procedure displays the status of the sensors.

[Selection]

[Setup and Maintenance] → [05 Printer Adjustment/ Maintenance] → [0525 Printer Input Check]

1. Click the [Close] button.

   • Operation returns to the menu screen.


Printer Input Check [0525]
Upper cutter open(home) position sensor D601 ON
Upper cutter close position sensor D602 OFF
Lower cutter open(home) position sensor D603 ON
Lower cutter close position sensor D604 OFF
Upper magazine ID sensor D610 to D615 11 001011
Upper magazine paper end sensor D616 Detect
Upper magazine open/close sensor D617, D618 10
Upper magazine splice sensor D619 NO
Lower magazine ID sensor D620 to D625 6 000110
Lower magazine paper end sensor D626 Detect
Lower magazine open/close sensor D627, D628 00
Lower magazine splice sensor D629 NO
Upper magazine paper sensor D631 NO
Lower magazine paper sensor D632 NO
Feed section paper sensor D633 NO
Registration section paper sensor D640 NO
Tilt home position sensor(for M641) D641 ON
Nip release home position sensor1(for M642) D642 ON
Exposure section entrance paper sensor D650 NO
Soft nip home position sensor (for M651) D651 ON
Exposure position paper sensor D653 NO
Nip release home position sensor2(for M655) D655 ON
Nip release home position sensor3(for M658) D656 ON
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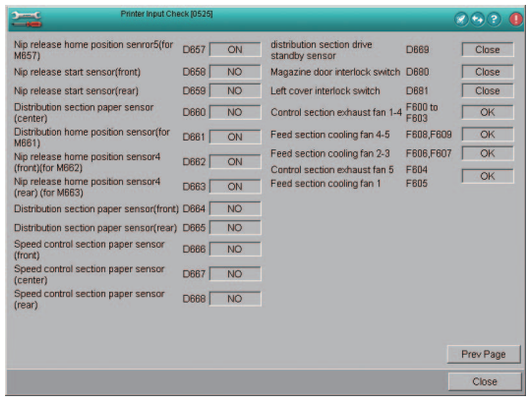
Close

↓ [Next page] [Prev. page] ↑


Printer Input Check [0525]
Nip release home position senror5(for M657) D657 ON
Nip release start sensor(front) D658 NO
Nip release start sensor(rear) D659 NO
Distribution section paper sensor (center) D660 NO
Distribution home position sensor(for M661) D661 ON
Nip release home position sensor4 (front)(for M662) D662 ON
Nip release home position sensor4 (rear) (for M663) D663 ON
Distribution section paper sensor(front) D664 NO
Distribution section paper sensor(rear) D665 NO
Speed control section paper sensor (front) D666 NO
Speed control section paper sensor (center) D667 NO
Speed control section paper sensor (rear) D668 NO
distribution section drive standby sensor D669 Close
Magazine door interlock switch D680 Close
Left cover interlock switch D681 Close
Control section exhaust fan 1-4 F600 to F603 OK
Feed section cooling fan 4-5 F608,F609 OK
Feed section cooling fan 2-3 F606,F607 OK
Control section exhaust fan 5 F604 OK
Feed section cooling fan 1 F605
Prev Page
Close

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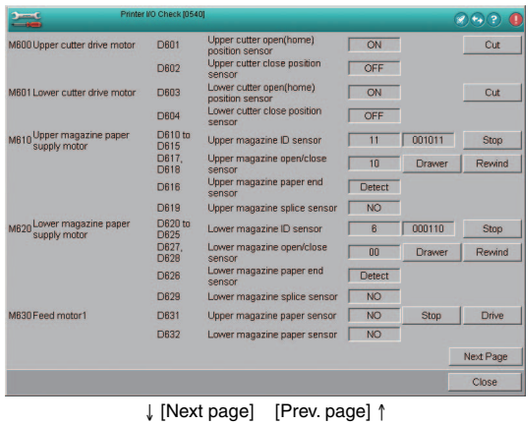
4.1.2 Printer I/O Check (0540)

This procedure displays the status of the motors, solenoids and sensors.

[Selection]

[Setup and Maintenance] → [05 Printer Adjustment/ Maintenance] → [0540 Printer I/O Check]

1. Click the required operation button.
   - The respective motor or solenoid operates if it is normal.
2. Click the [Close] button.
   - Operation returns to the menu screen.



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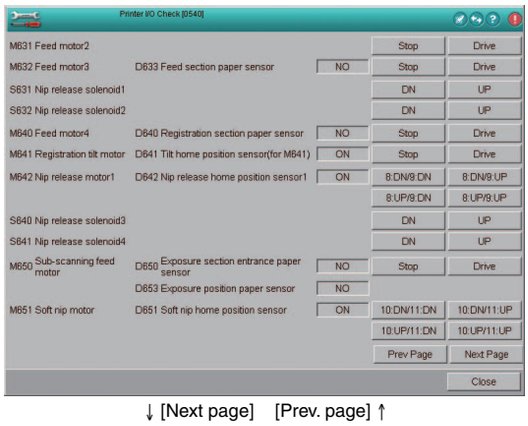

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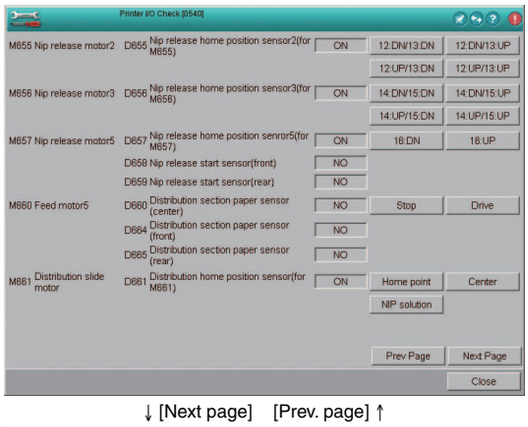

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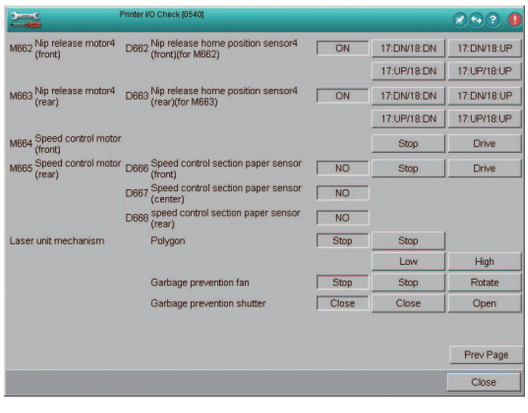

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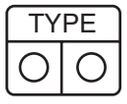
5. DISTRIBUTION SECTION

5.1 Outline

5.1.1 Unit Identification

The model identification color label is attached to each printer unit.



Model Identification Color Label

VG2-004

Identification Color List

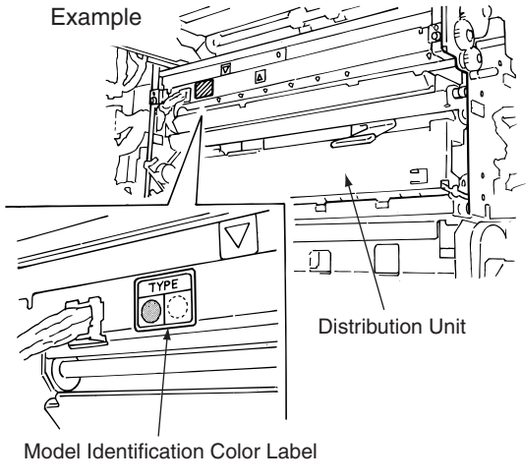
Printer/Processor	Color
LP-5500	Red
LP-5700	Yellow
LP-5900	Blue
Not used	White

NOTE: White circle indicates label attaching position.

Example:

Blue + White: Unit for LP-5900

Yellow + Blue: Unit for LP-5700 and LP-5900



G2-020

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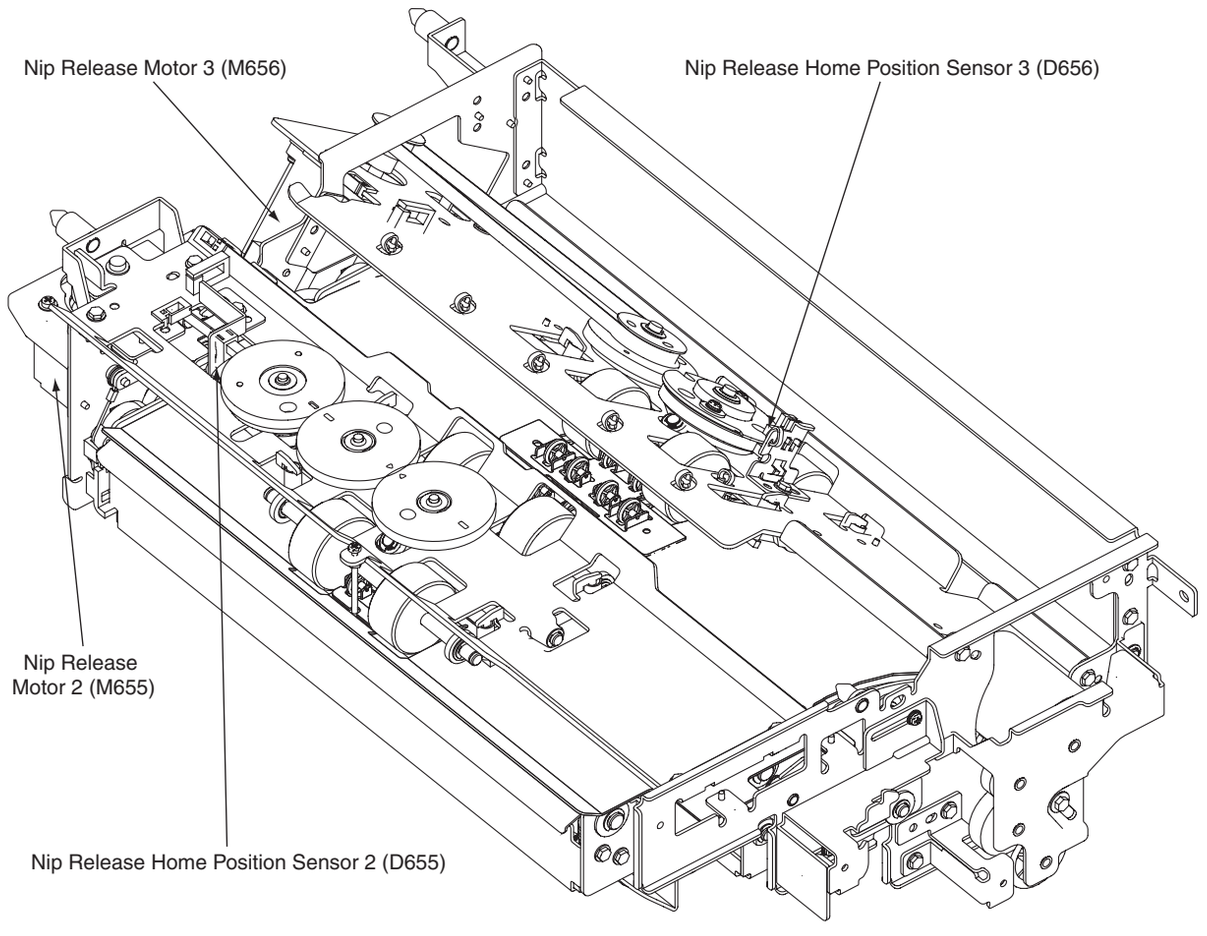
5.1.2 Parts Location

• Distribution Entrance Unit


Nip Release Motor 3 (M656)
Nip Release Home Position Sensor 3 (D656)
Nip Release
Motor 2 (M655)
Nip Release Home Position Sensor 2 (D655)

VG2-042

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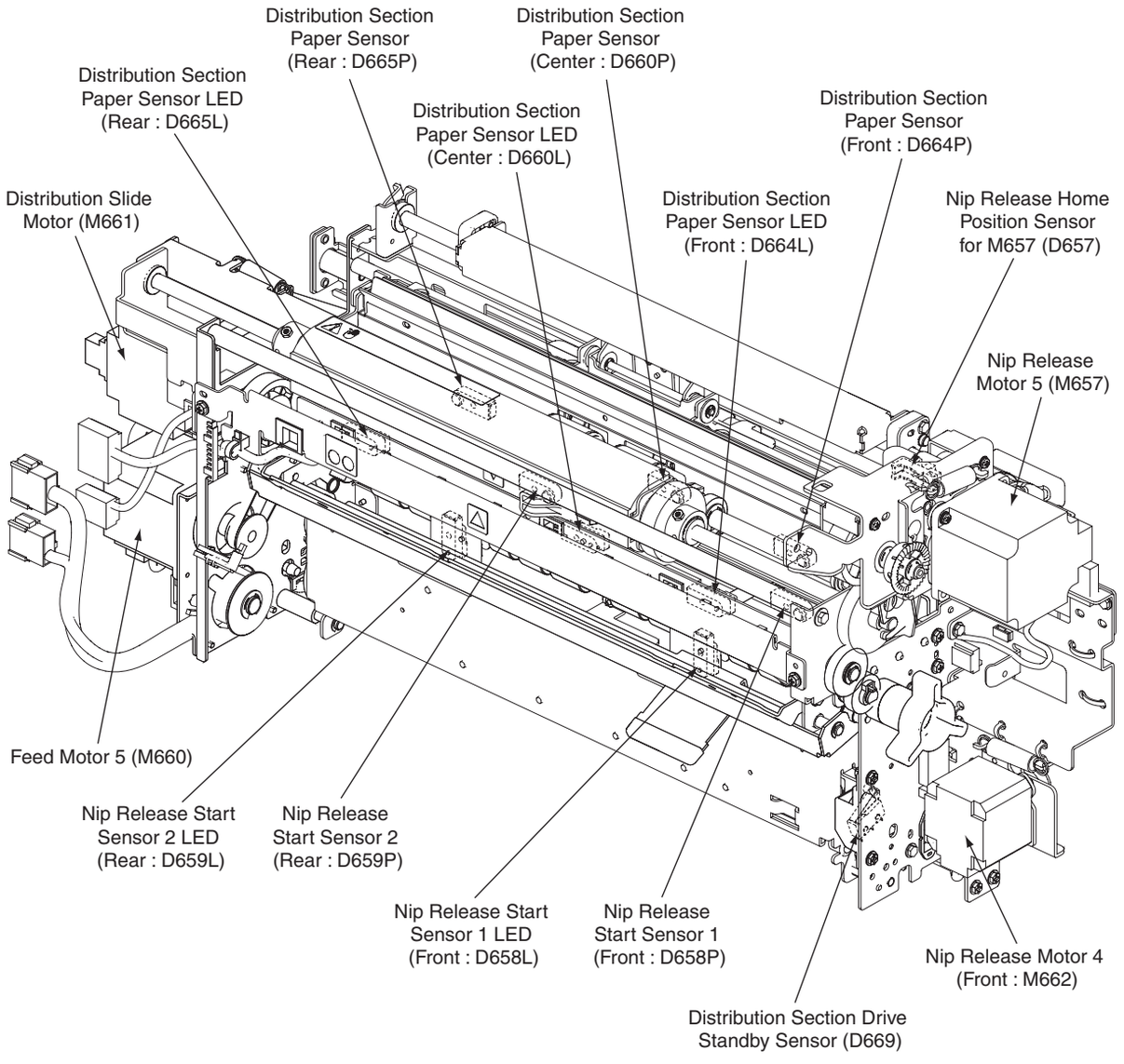
5. DISTRIBUTION SECTION

• Distribution Unit


Distribution Section Paper Sensor (Rear : D665P)
Distribution Section Paper Sensor (Center : D660P)
Distribution Section Paper Sensor LED (Rear : D665L)
Distribution Section Paper Sensor LED (Center : D660L)
Distribution Section Paper Sensor (Front : D664P)
Distribution Slide Motor (M661)
Distribution Section Paper Sensor LED (Front : D664L)
Nip Release Home Position Sensor for M657 (D657)
Nip Release Motor 5 (M657)
Feed Motor 5 (M660)
Nip Release Start Sensor 2 LED (Rear : D659L)
Nip Release Start Sensor 2 (Rear : D659P)
Nip Release Start Sensor 1 LED (Front : D658L)
Nip Release Start Sensor 1 (Front : D658P)
Nip Release Motor 4 (Front : M662)
Distribution Section Drive Standby Sensor (D669)

VG2-001

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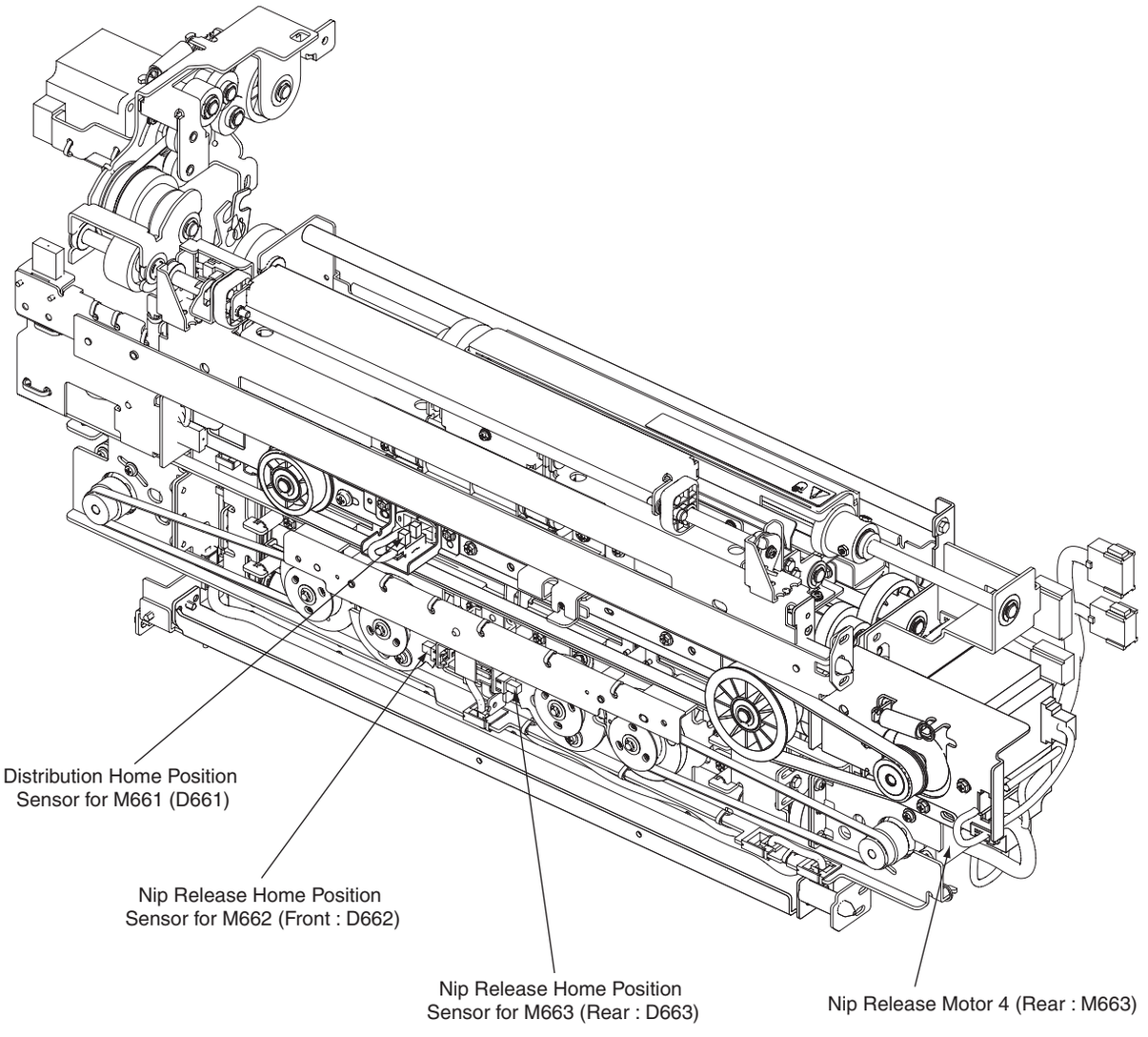
5. DISTRIBUTION SECTION


Distribution Home Position
Sensor for M661 (D661)
Nip Release Home Position
Sensor for M662 (Front : D662)
Nip Release Home Position
Sensor for M663 (Rear : D663)
Nip Release Motor 4 (Rear : M663)

VG2-002

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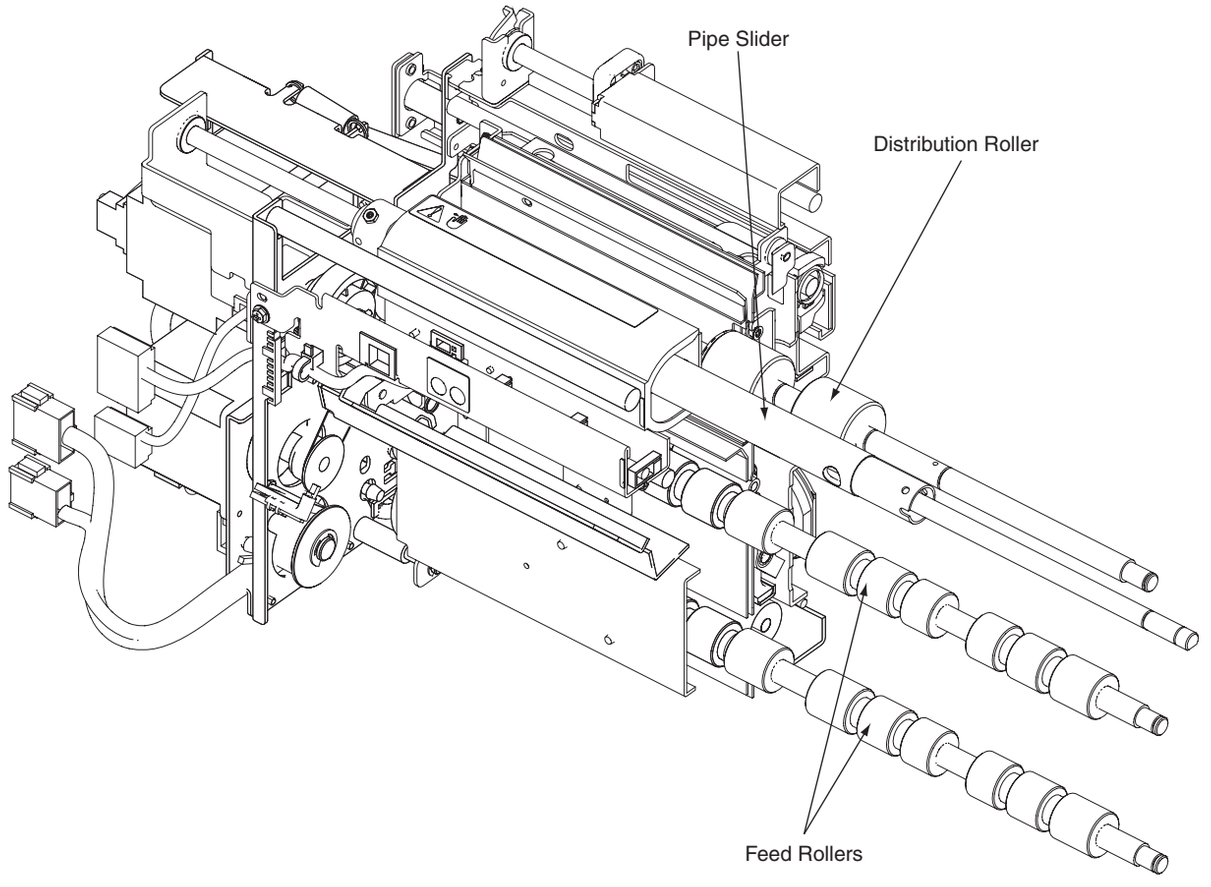
5. DISTRIBUTION SECTION



VG2-003

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5.2 Operation Sequences

5.2.1 Sensors and Motors

Symbol	Name	Function
D657	Nip Release Home Position Sensor (for M657)	M657 home position detecting
D658L/P	Nip Release Start Sensor (Front)	Trigger for nipping, releasing and distribution returning start
D659L/P	Nip Release Start Sensor (Rear)	Trigger for nipping, releasing and distribution returning start
D660L/P	Distribution Section Paper Sensor (Center)	Trigger for distribution start and jamming monitoring
D664L/P	Distribution Section Paper Sensor (Front)	Trigger for nipping and releasing
D665L/P	Distribution Section Paper Sensor (Rear)	Trigger for nipping and releasing
D666L/P	Speed Control Section Paper Sensor (Front)	Trigger for speed control (up/down) start and jamming monitoring
D667L/P	Speed Control Section Paper Sensor (Center)	Trigger for speed control (up/down) start and jamming monitoring
D668L/P	Speed Control Section Paper Sensor (Rear)	Trigger for speed control (up/down) start and jamming monitoring
D669	Distribution Section Drive Standby Sensor	Drive standby detecting
M657	Nip Release Motor 5	Nips and releases the No. 16 roller.
M661	Distribution Slide Motor	Distributes paper sheets.

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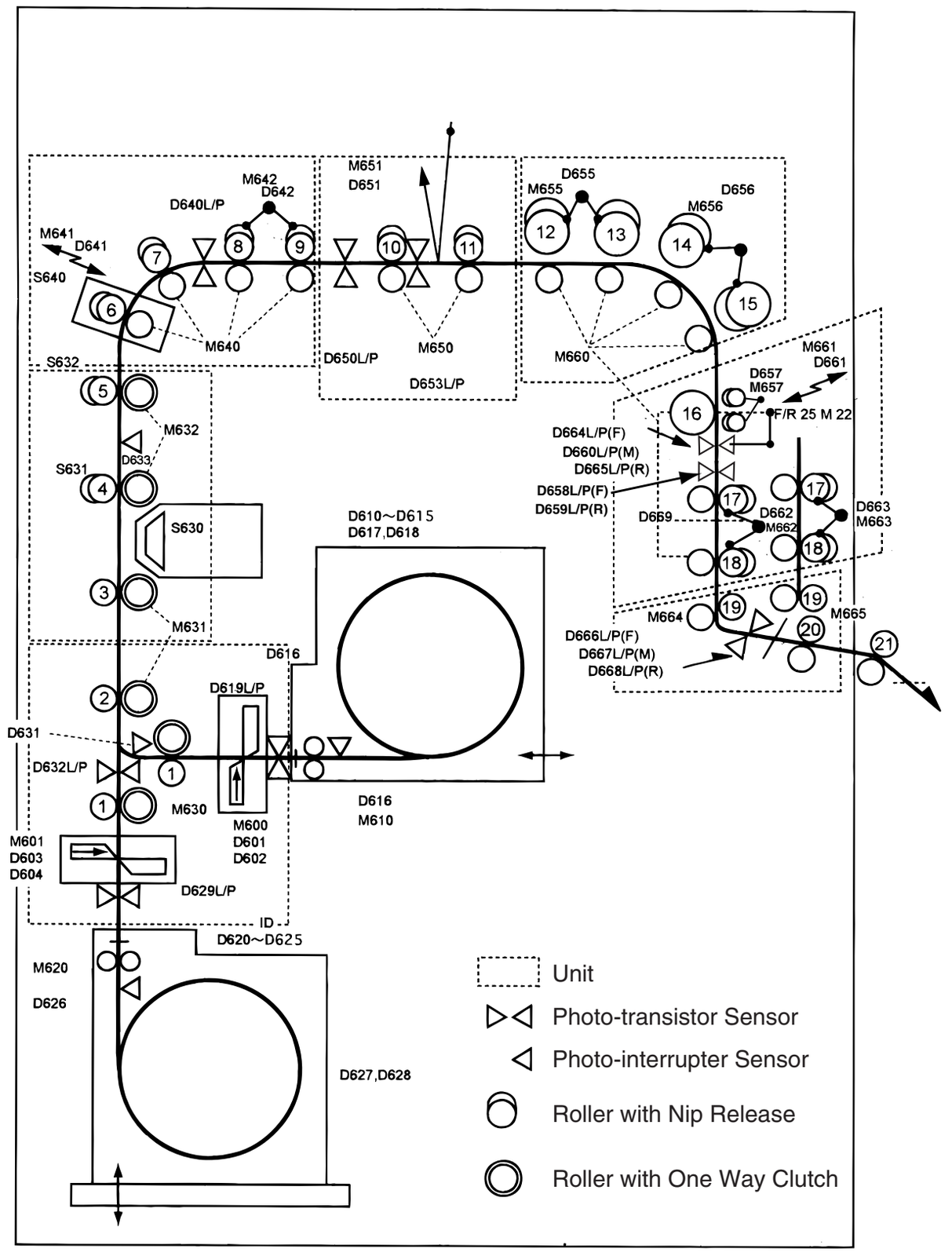
5. DISTRIBUTION SECTION



GIIxxx

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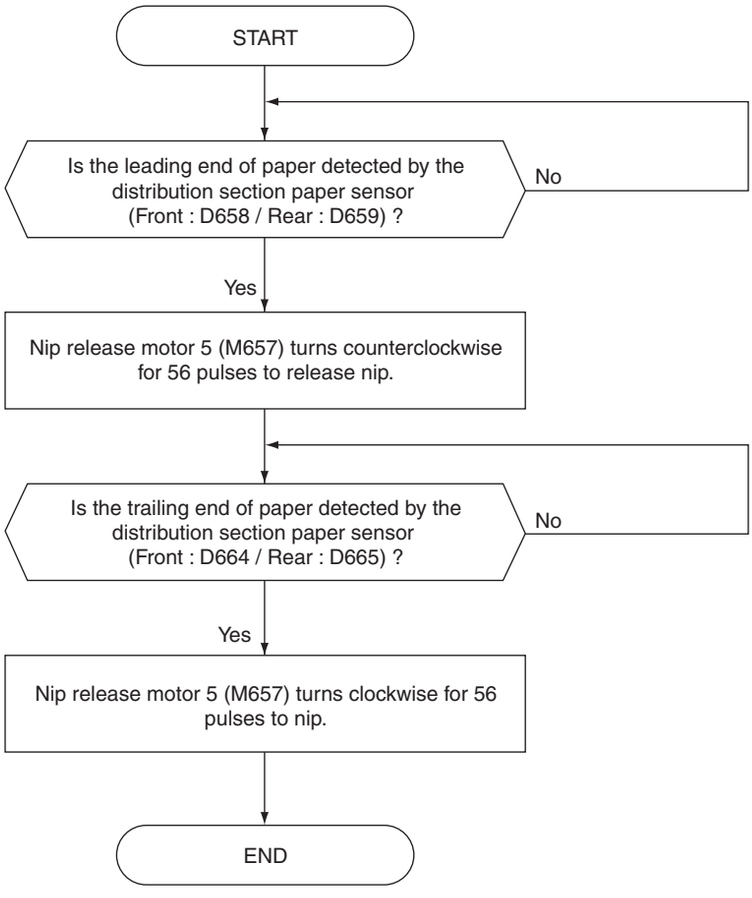
5.2.2 Nip OFF/ON Operation of No. 16 Roller

Roller nip ON/OFF is determined according to the sheet feed length (L).

L ≦ 254.0 mm: Nip OFF

L > 254.0 mm: Nip ON


START
Is the leading end of paper detected by the distribution section paper sensor (Front : D658 / Rear : D659) ?
No
Yes
Nip release motor 5 (M657) turns counterclockwise for 56 pulses to release nip.
Is the trailing end of paper detected by the distribution section paper sensor (Front : D664 / Rear : D665) ?
No
Yes
Nip release motor 5 (M657) turns clockwise for 56 pulses to nip.
END

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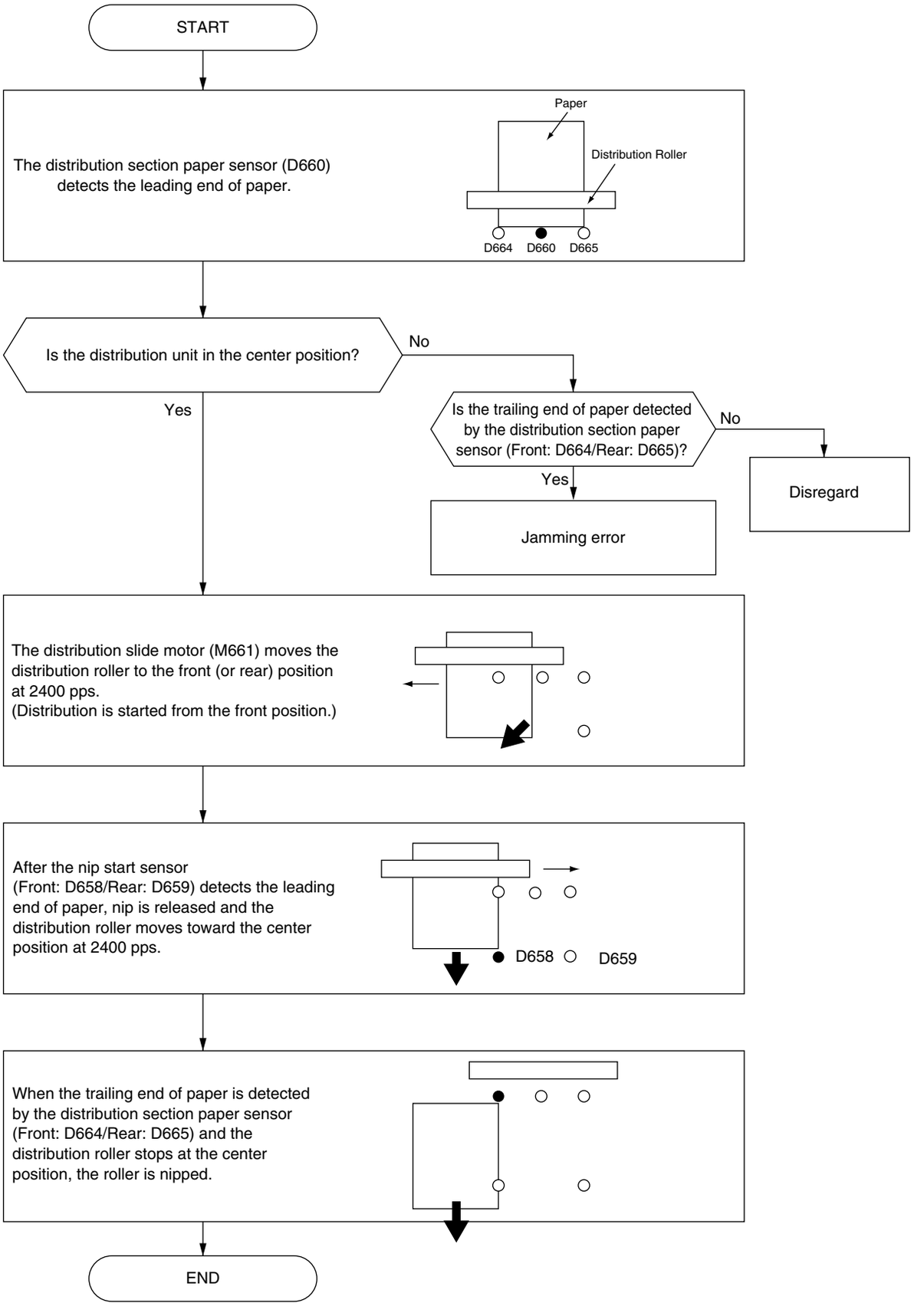
5.2.3 Distribution Processing


START
The distribution section paper sensor (D660) detects the leading end of paper.
Paper
Distribution Roller
D664
D660
D665
Is the distribution unit in the center position?
No
Yes
Is the trailing end of paper detected by the distribution section paper sensor (Front: D664/Rear: D665)?
No
Yes
Disregard
Jamming error
The distribution slide motor (M661) moves the distribution roller to the front (or rear) position at 2400 pps.
(Distribution is started from the front position.)
After the nip start sensor (Front: D658/Rear: D659) detects the leading end of paper, nip is released and the distribution roller moves toward the center position at 2400 pps.
D658
D659
When the trailing end of paper is detected by the distribution section paper sensor (Front: D664/Rear: D665) and the distribution roller stops at the center position, the roller is nipped.
END

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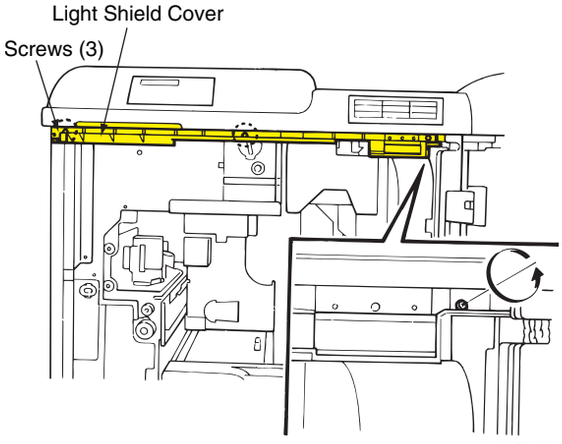
5.3 Distribution Entrance Unit Parts Replacement

5.3.1 Printer Right Inner Cover Removal/Reinstallation

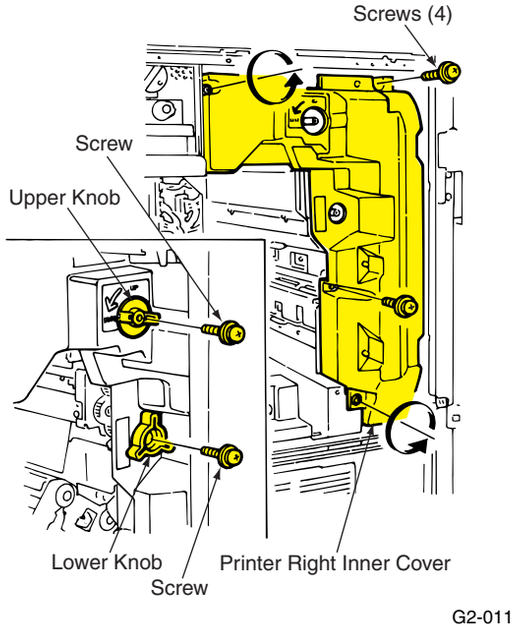
Removal

1. Open the magazine door hinge section (refer to LP-5700 service manual).
2. Remove the left cover section (refer to LP-5700 service manual).
3. Remove the screws then the light shield cover.



LⅡ485

4. Remove the screw then the upper knob.
5. Remove the screw then the lower knob.
6. Remove the screws then the printer right inner cover.

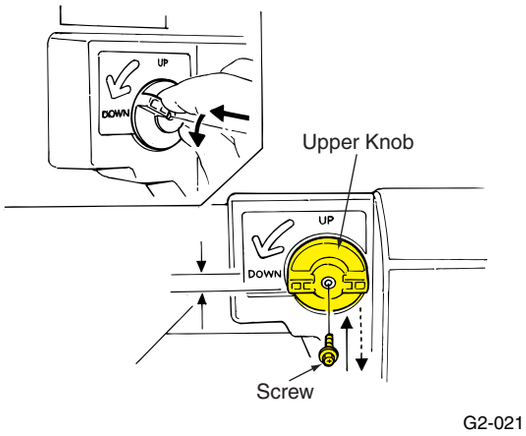


G2-011

Reinstallation

Reinstallation is essentially in the reverse order of removal.

NOTE: Adjust the upper knob position as described below.
1) Temporarily install the upper knob to the unit.
2) Turn the knob counterclockwise fully.
3) Reinstall the upper knob so its rib is in a horizontal and tighten the screw.



G2-021

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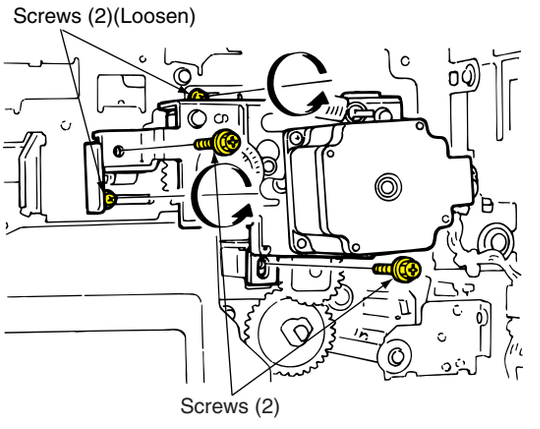
5.3.2 Drive Gear Disengagement

Disengagement

1. Remove the printer right inner cover (see Subsection 5.3.1).

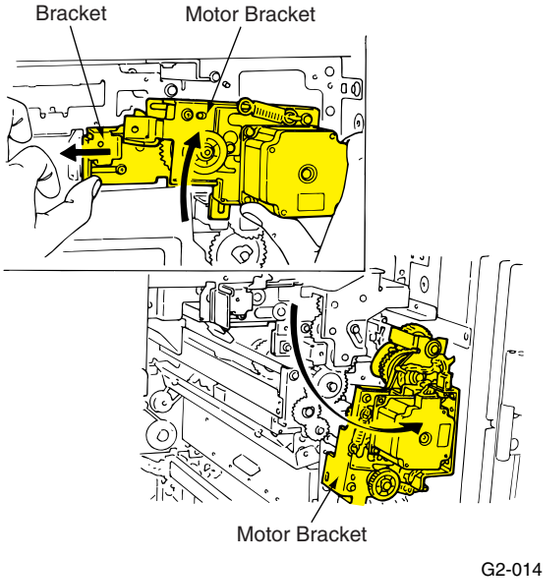
2. Loosen the two screws and remove the two screws.



G2-013

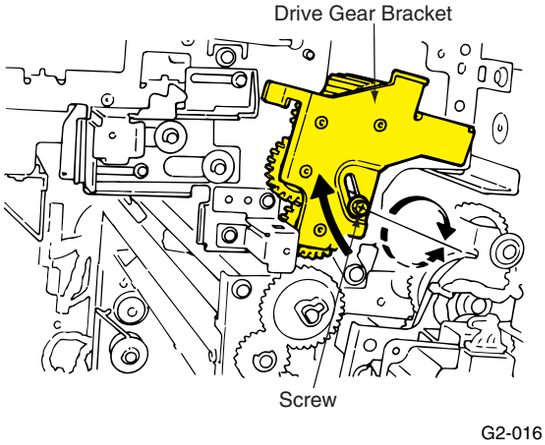
3. Lift the motor bracket, shift the bracket on the distribution entrance unit to the left side and then lower the motor bracket.

NOTE: The distribution slider is in the front, push it toward the rear before performing Step 3.



G2-014

4. Loosen the screw securing the drive gear bracket, then swing the bracket up and retighten it.



G2-016

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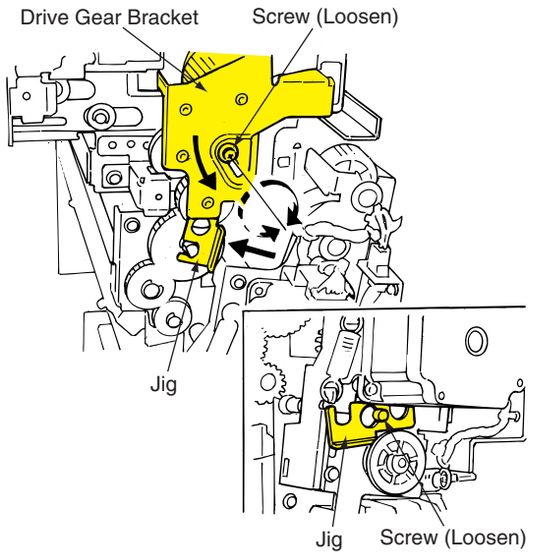
Engagement

Engagement is essentially in the reverse order of disengagement.

NOTE: Perform the gear engagement adjustment described below.

1) Loosen the screw and remove the jig.
2) Loosen the screw securing the drive gear bracket.
3) Install the jig between the gear shafts and tighten the screw.
4) Remove the jig and return it to its original position.

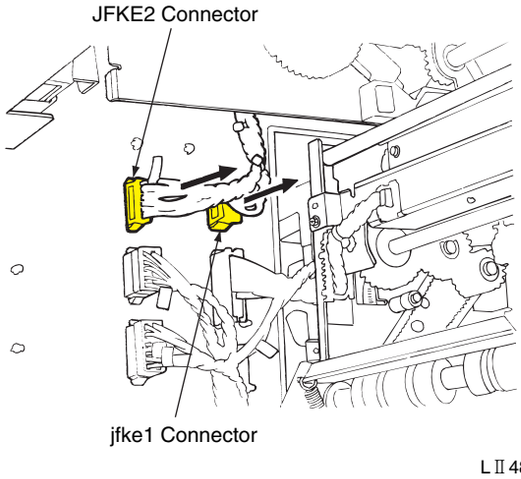


G2-019

5.3.3 Distribution Entrance Unit Removal/Reinstallation

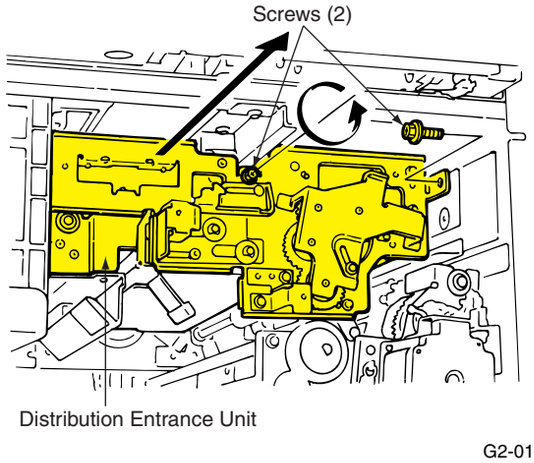
Removal

1. Remove the connector cover (refer to LP-5700 service manual).
2. Disengagement the drive gear (see Subsection 5.3.2).
3. Disconnect the connectors.



L II 487

4. Remove the screws mounting the unit.
5. Remove the distribution entrance unit.



G2-017

Reinstallation

Reinstallation is essentially in the reverse order of removal.

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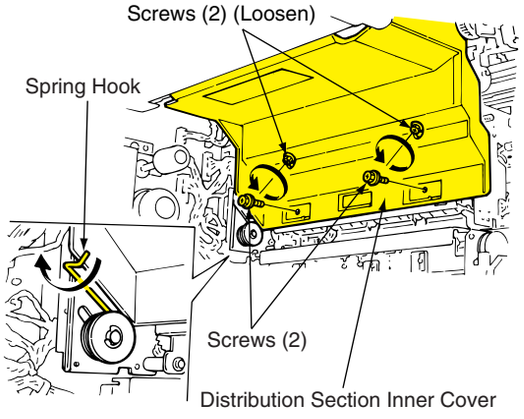
5.4 Distribution Unit Parts Replacement

5.4.1 Distribution Unit Removal/Reinstallation

Removal

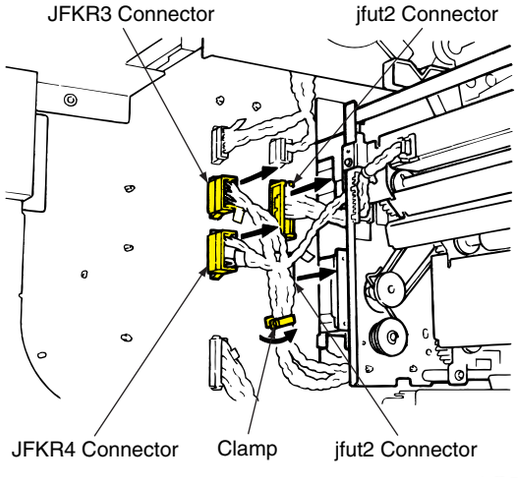
1. Disengage the drive gear (see Subsection 5.3.2).

2. Loosen the two upper screws, remove the two lower screws then the distribution section inner cover by shifting the spring hook.



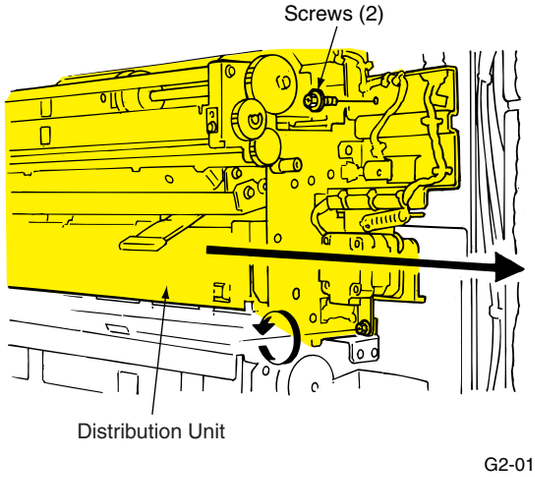
G2-015

3. Disconnect the connectors and open the clamp.



LII518

4. Remove the screws then the unit.



G2-018

Reinstallation

Reinstallation is essentially in the reverse order of removal.

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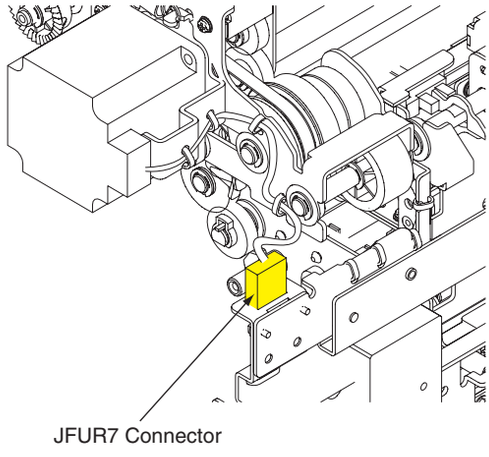
5.4.2 Nip Release Motor Bracket Removal/Reinstallation

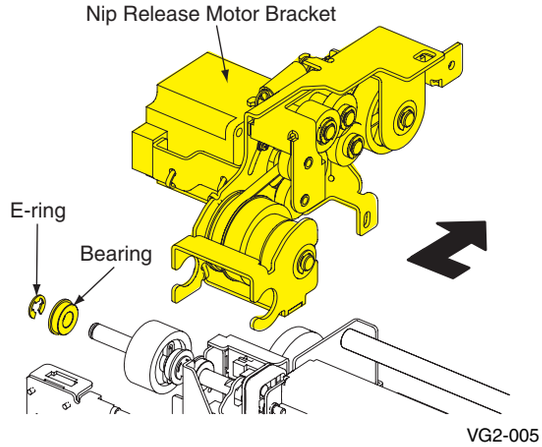
Removal

1. Remove the distribution unit (see Subsection 5.4.1).
2. Disconnect the JFUR7 connector.



VG2-007

3. Remove the E-ring then the bearing.
4. Remove the nip release motor bracket.



VG2-005

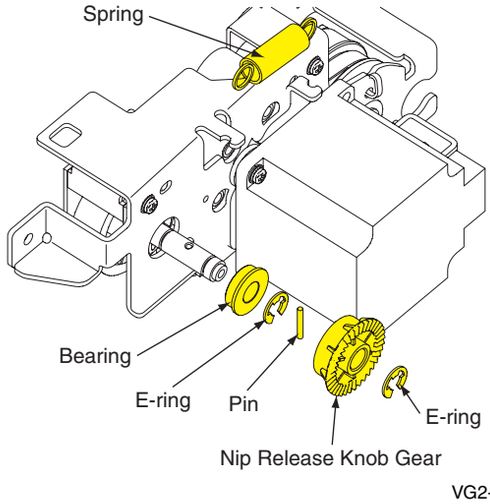
Reinstallation

Reinstallation is essentially in the reverse order of removal.

5.4.3 Nip Release Motor 5 (M657) Replacement

Removal

1. Remove the nip release motor bracket (see Subsection 5.4.2).
2. Remove the spring.
3. Remove the E-ring then the nip release knob gear and pin.
4. Remove the E-ring then the bearing.



VG2-006

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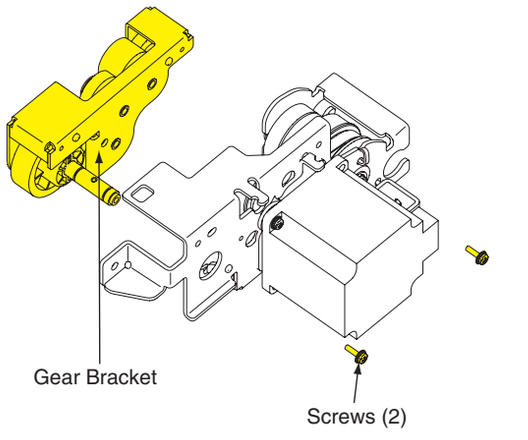
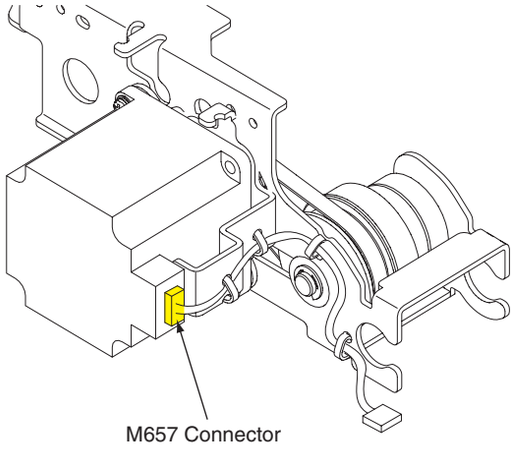
5. Remove the screws then the gear bracket.



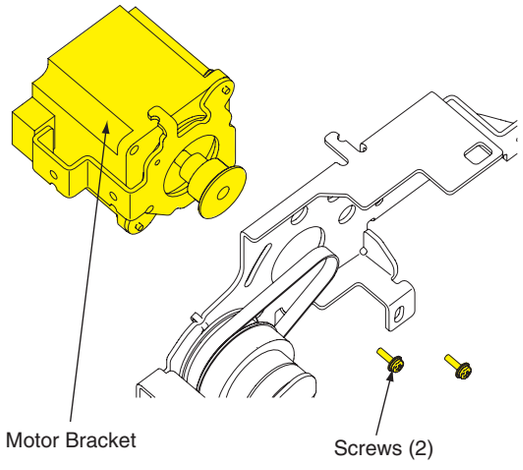
VG2-008

6. Disconnect the M657 connector.



VG2-011

7. Remove the screws then the motor bracket.



VG2-009

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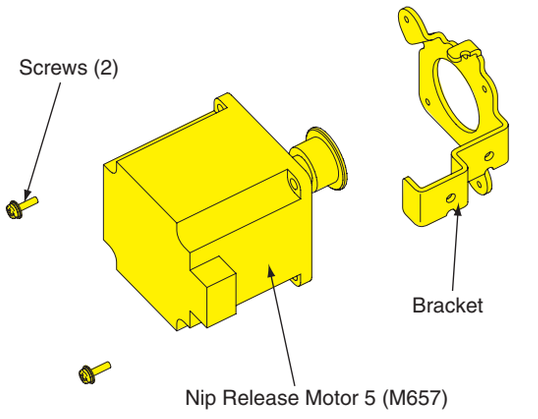
8. Remove the screws then the motor.

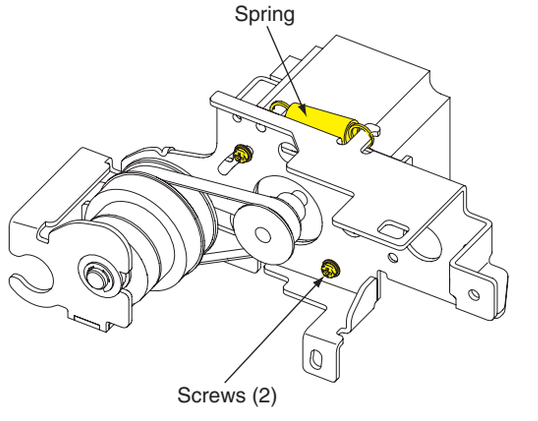


VG2-010

Reinstallation

Reinstallation is essentially in the reverse order of removal.

NOTE: After installing the tension spring, tighten the bracket fixing screws.



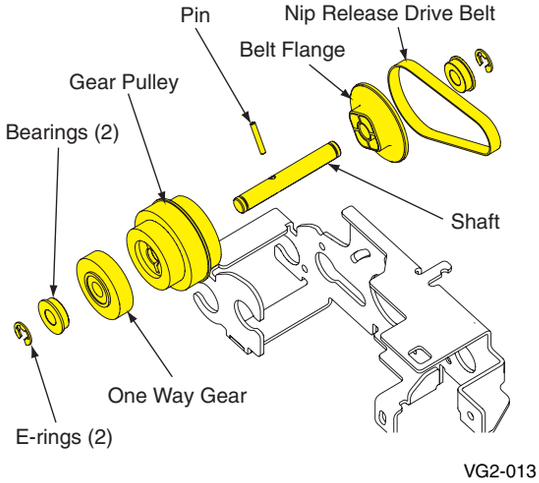
VG2-012

5.4.4 Nip Release Drive Gear/Belt Replacement

Removal

1. Remove the nip release motor 5 (see Subsection 5.4.3).

2. Remove the E-rings then the bearings, one way gear, gear pulley, pin, shaft, belt flange and nip release drive belt.



VG2-013

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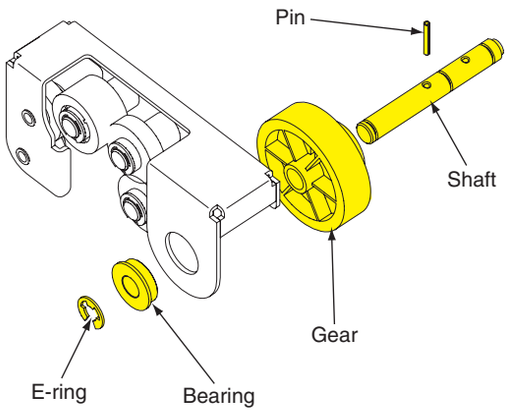
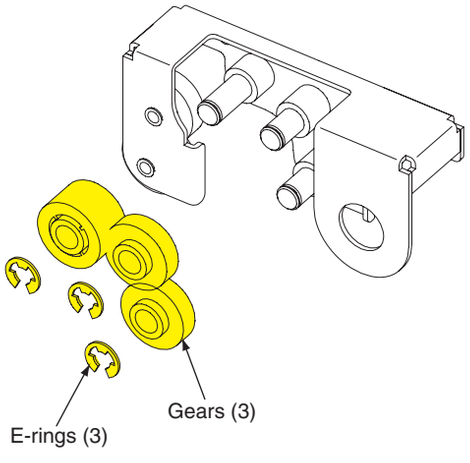
3. Remove the E-ring then the bearing, shaft, pin and gear.



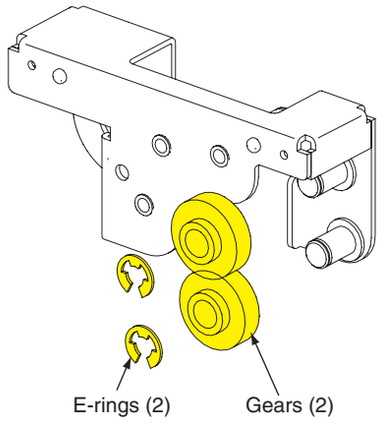
VG2-014

4. Remove the E-rings then the gears.



VG2-015

5. Remove the E-rings then the gears.



VG2-016

Reinstallation

Reinstallation is essentially in the reverse order of removal.

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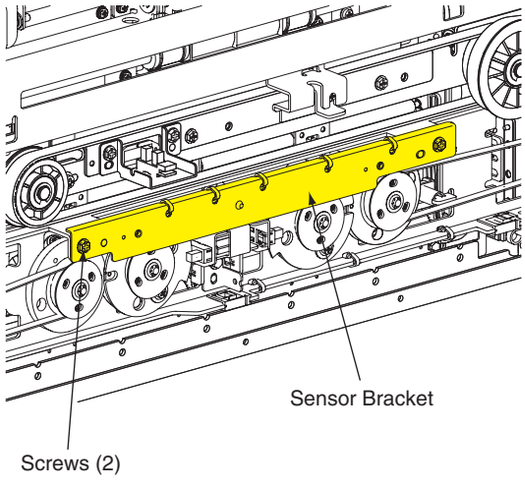
5.4.5 Nip Release Home Position Sensor (Front: D662/Rear: D663) Replacement

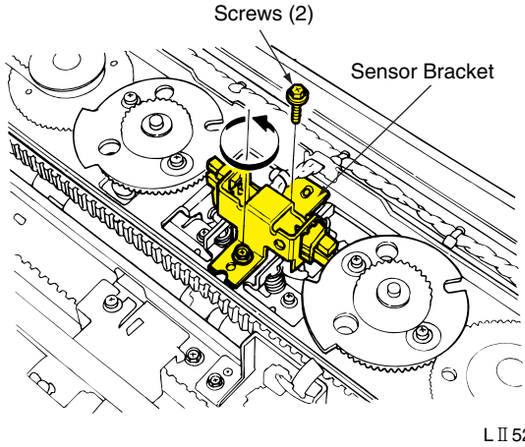
Removal

1. Remove the distribution unit (see Subsection 5.4.1).
2. Remove the screws then the sensor bracket.



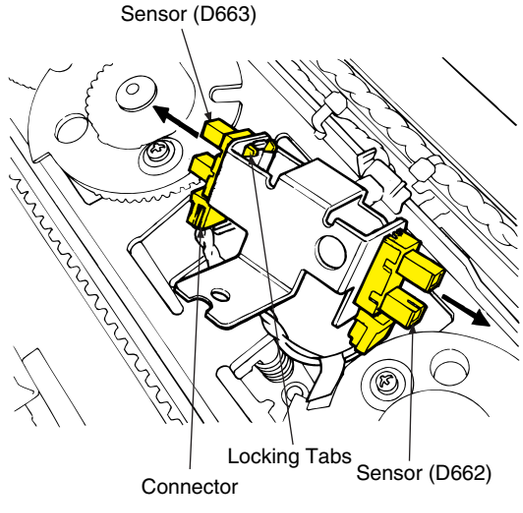
VG2-017

3. Remove the screws then the sensor bracket.



LⅡ520

4. Disconnect the connector, release the locking tabs and remove the sensor.



LⅡ521

Installation

Installation is essentially in the reverse order of removal.

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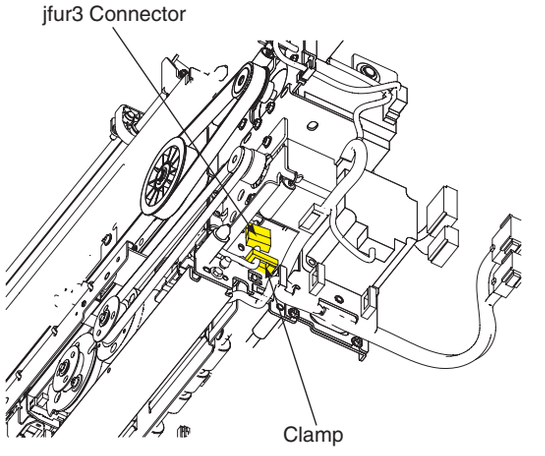
5.4.6 Nip Roller Replacement

Removal

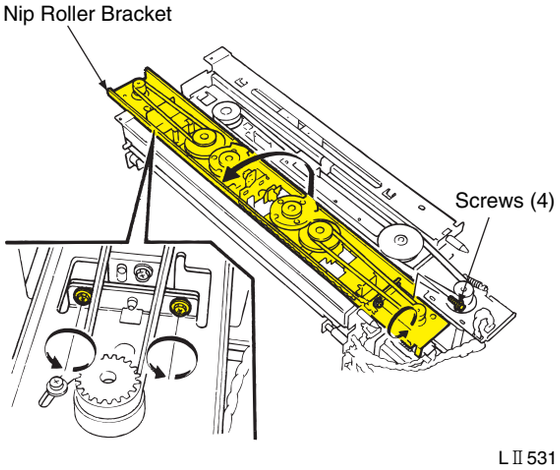
1. Remove the distribution unit (see Subsection 5.4.1).

2. Open the clamp then disconnect the jfur3 connector.



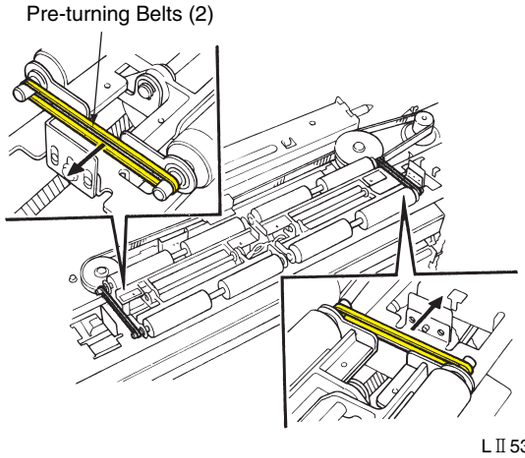
VG2-018

3. Remove the screws then the nip roller bracket assembly.



LII531

4. Remove the pre-turning belts.



LII532

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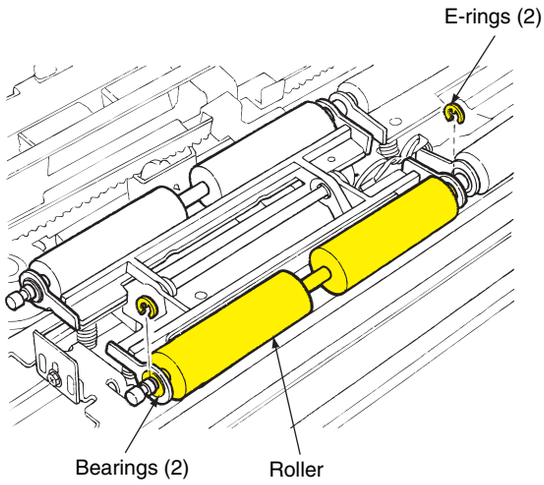
5. Remove each E-ring then the roller and the two bearings.

Installation

Installation is essentially in the reverse order of removal.

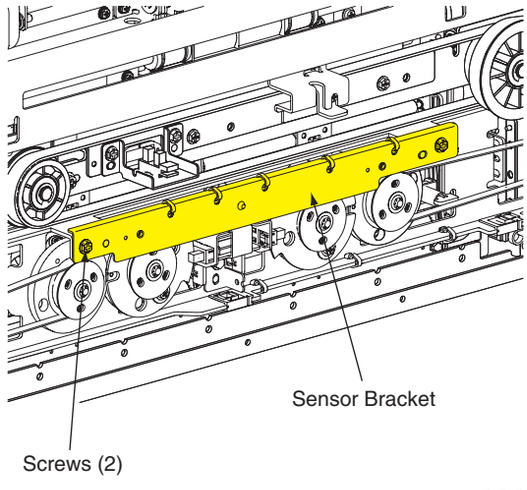


L II 533

5.4.7 Distribution Home Position Sensor (D661) Replacement

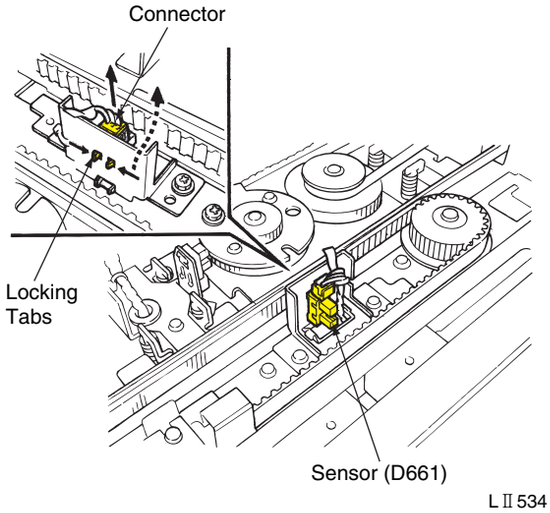
Removal

1. Remove the distribution unit (see Subsection 5.4.1).
2. Remove the screws then the sensor bracket.



VG2-017

3. Disconnect the connector, release the locking tabs and remove the sensor.



L II 534

Installation

Installation is essentially in the reverse order of removal.

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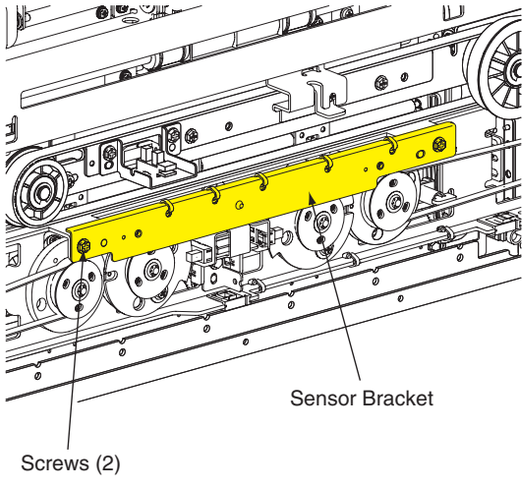
5.4.8 Nip Release Start Sensor (Front : D658P / Rear : D659P) Replacement

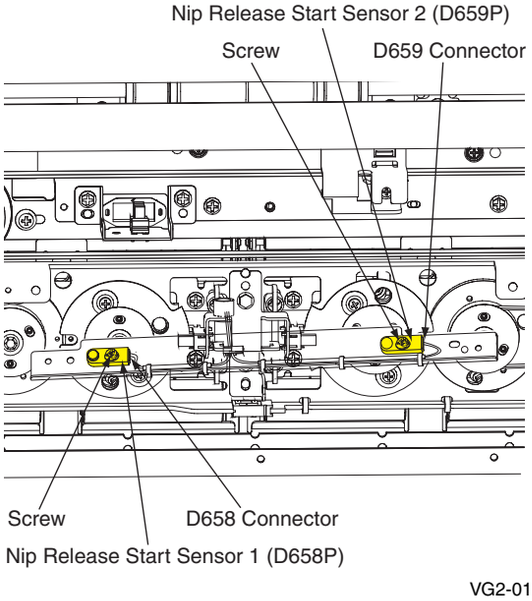
Removal

1. Remove the distribution unit (see Subsection 5.4.1).
2. Remove the screws then the sensor bracket.



VG2-017

3. Disconnect the connector.
4. Remove the screw then the sensor.



VG2-019

Installation

Installation is essentially in the reverse order of removal.

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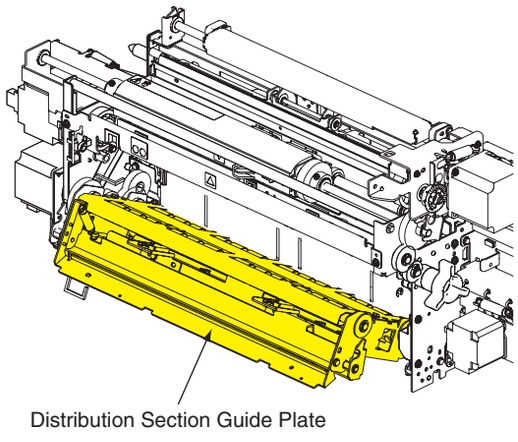
5.4.9 Nip Release Start Sensor LED (Front : D658L / Rear : D659L) Replacement

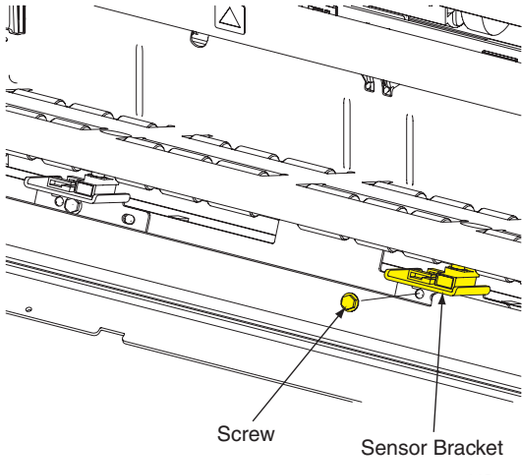
Removal

1. Remove the distribution unit (see Subsection 5.4.1).
2. Open the distribution section guide plate.



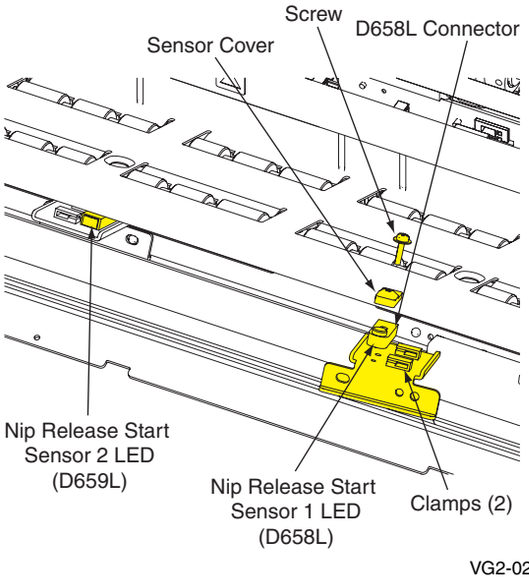
VG2-020

3. Remove the screw then the sensor bracket.



VG2-021

4. Open the clamps.
5. Disconnect the connector.
6. Remove the screw then the sensor and cover.



VG2-022

Installation

Installation is essentially in the reverse order of removal.

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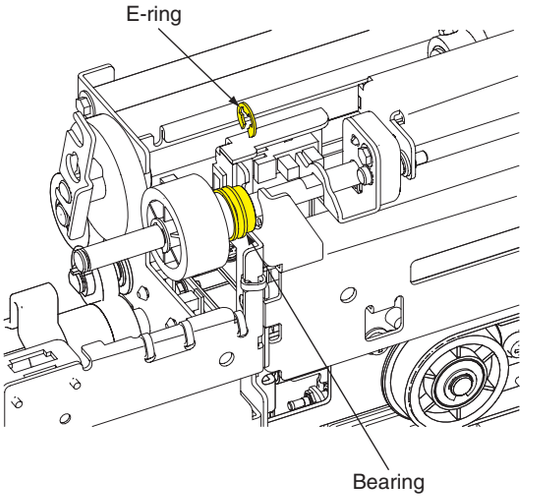
5.4.10 Nip Release Home Position Sensor for M657 (D657) Replacement

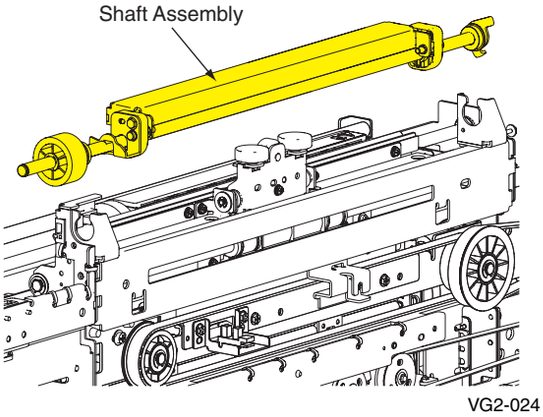
Removal

1. Remove the nip release motor bracket (see Subsection 5.4.2).
2. Remove the E-ring then slide the bearing.



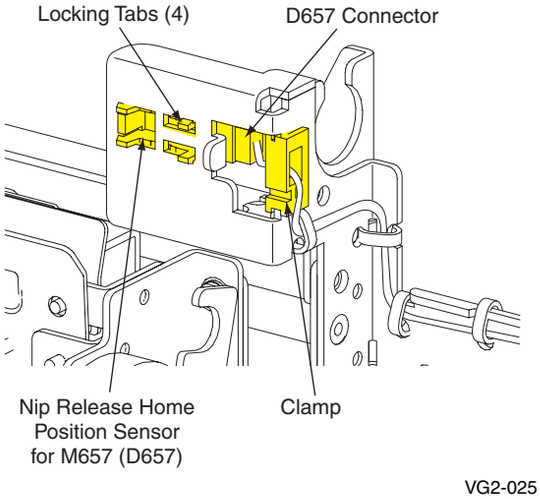
VG2-023

3. Remove the shaft assembly.



VG2-024

4. Open the clamp then disconnect the D657 connector.
5. Loosen the locking tabs then remove the sensor.



VG2-025

Installation

Installation is essentially in the reverse order of removal.

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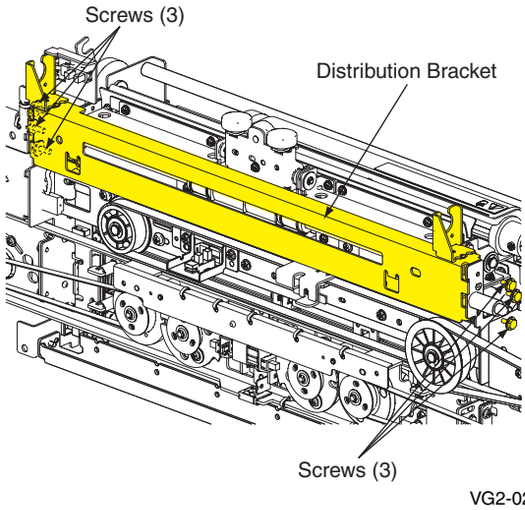
5.4.11 Distribution Roller Replacement

Removal

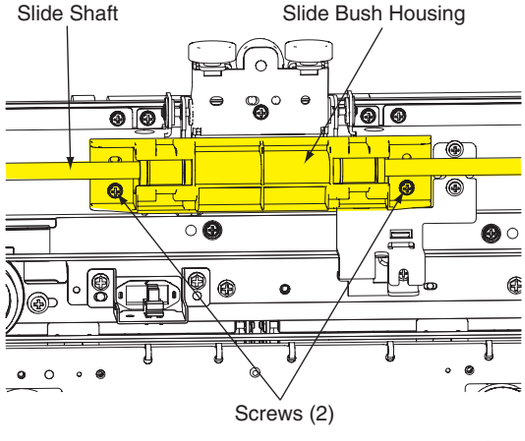
1. Remove the shaft assembly (see Subsection 5.4.10).

2. Remove the screws then the distribution bracket.



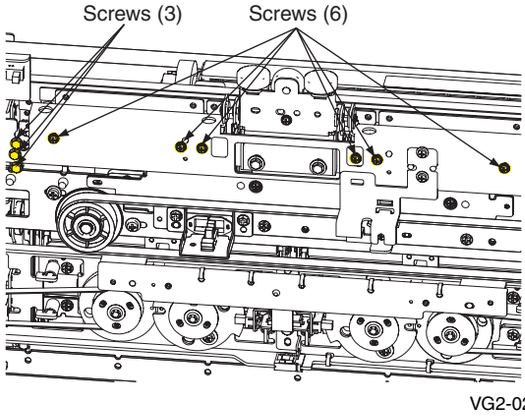
VG2-026

3. Remove the screws then the slide bush housing and slide shaft.



VG2-027

4. Remove the screws.



VG2-028

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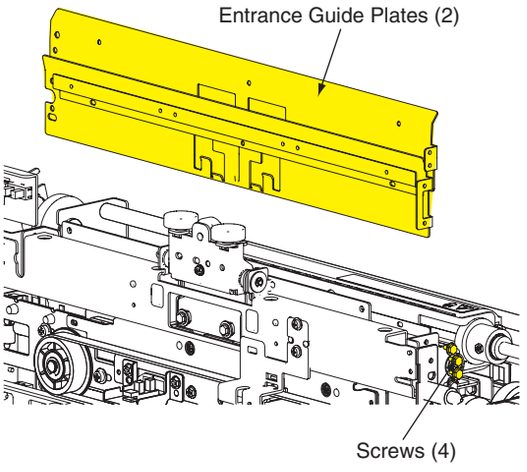
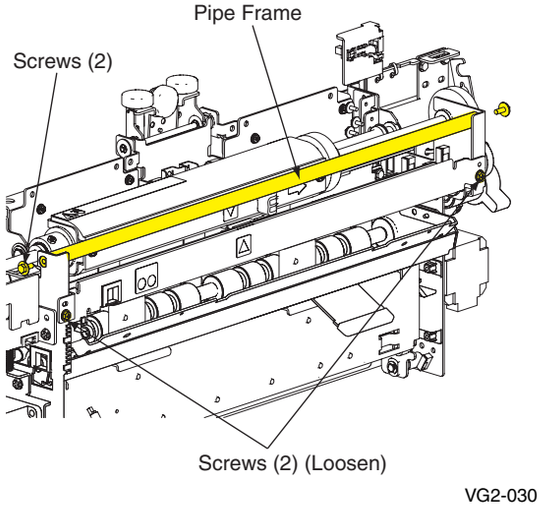
5. Remove the screws then the entrance guide plates.



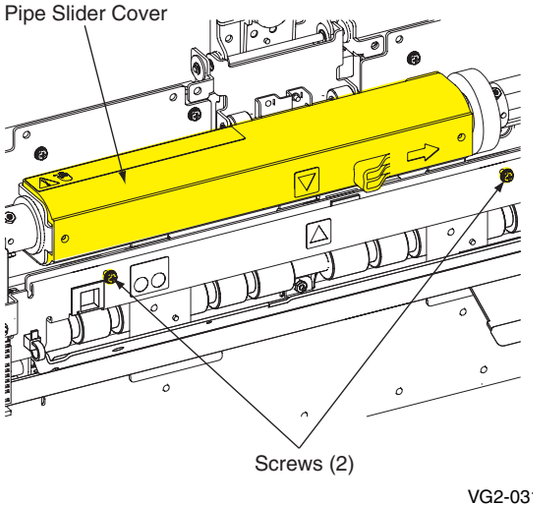
VG2-029

6. Loosen the screws and remove the screws then the pipe frame.



VG2-030

7. Remove the screws then the pipe slider cover.



VG2-031

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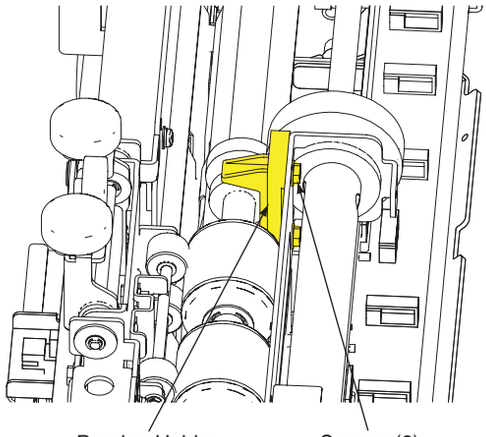
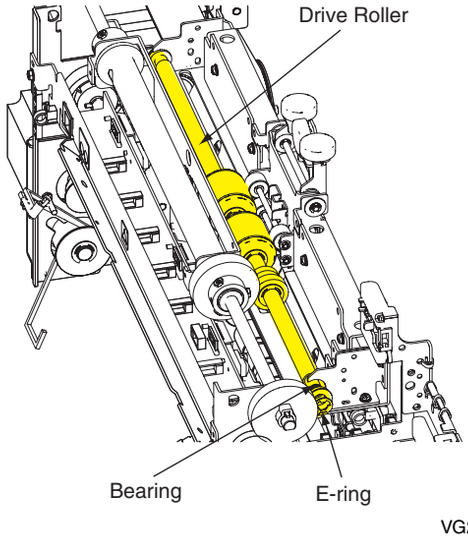
8. Remove the screws then the bearing holder.



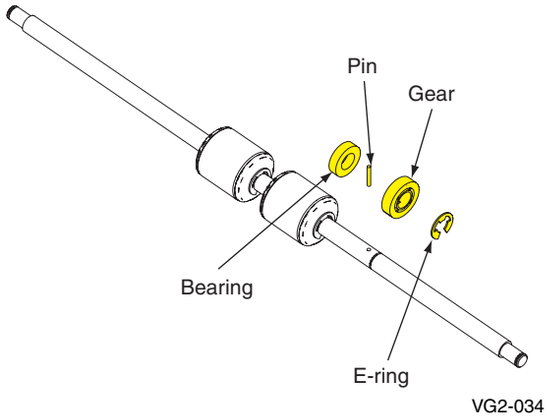
VG2-032

9. Remove the E-ring then the bearing and drive roller.



VG2-033

10. Remove the E-ring then the gear, pin and bearing.



VG2-034

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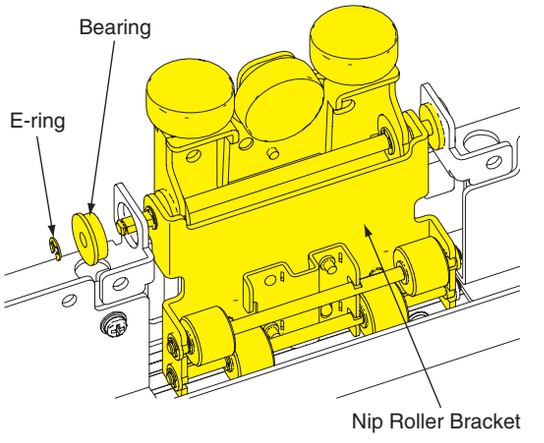
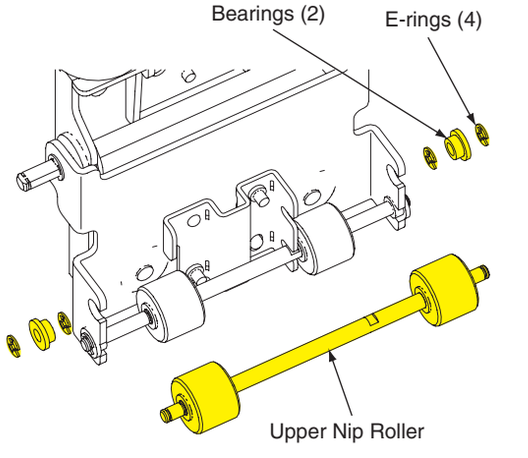
11. Remove the E-ring and bearing then the nip roller bracket.



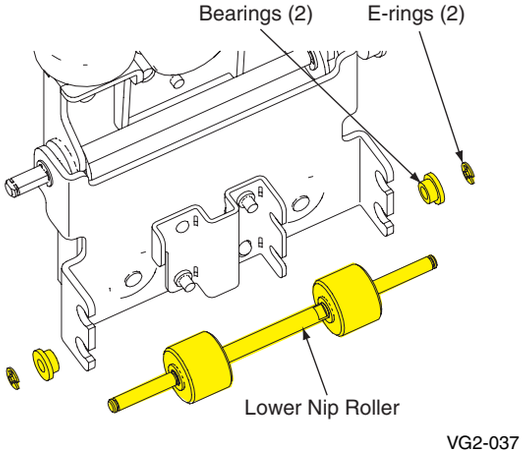
VG2-035

12. Remove the E-rings and bearings then the upper nip roller.



VG2-036

13. Remove the E-rings and bearings then the lower nip roller.



VG2-037

Installation

Installation is essentially in the reverse order of removal.

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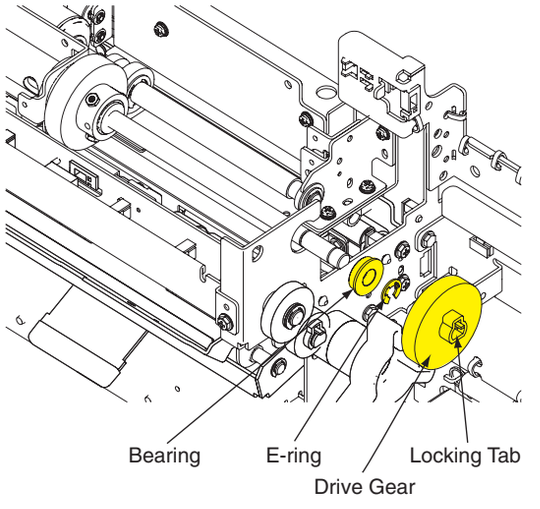
5.4.12 Pipe Slider Replacement

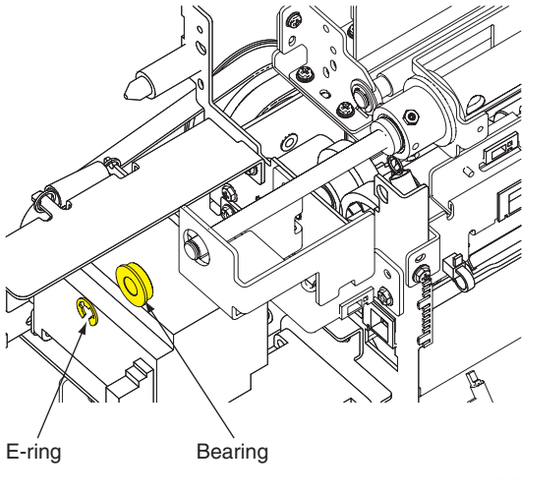
Removal

1. Remove the bearing holder (see Subsection 5.4.11).
2. Loosen the locking tab then remove the drive gear.
3. Remove the E-ring then the bearing.



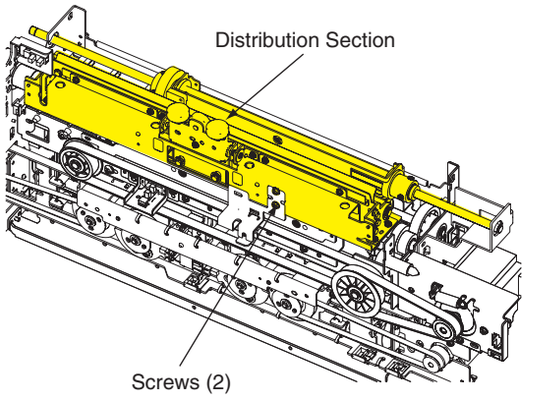
VG2-038

4. Remove the E-ring then the bearing.



VG2-039

5. Remove the screws then the distribution section.



VG2-040

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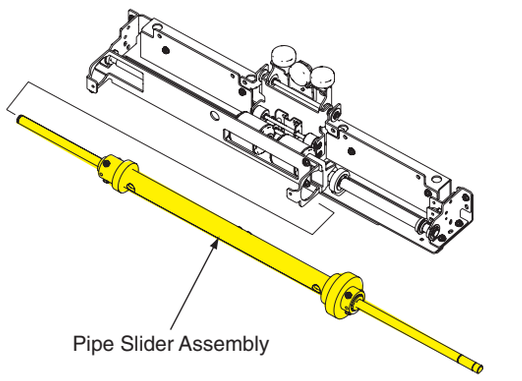
6. Remove the pipe slider assembly.



VG2-041

Installation

Installation is essentially in the reverse order of removal.

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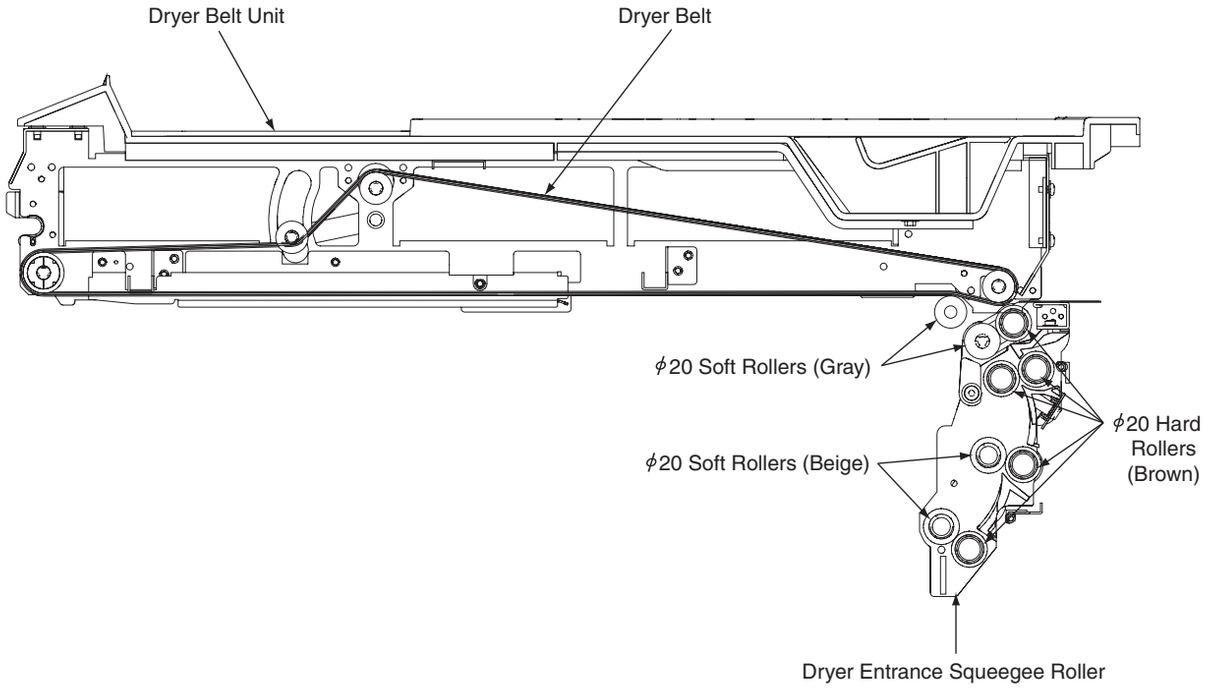
6. DRYER SECTION

6.1 Outline



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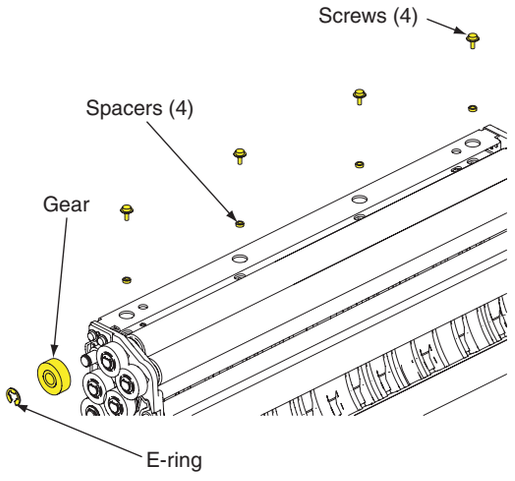
6.2 Dryer Entrance Squeegee Rack Parts Replacement

6.2.1 Upper Roller Section Removal/Reinstallation

Removal

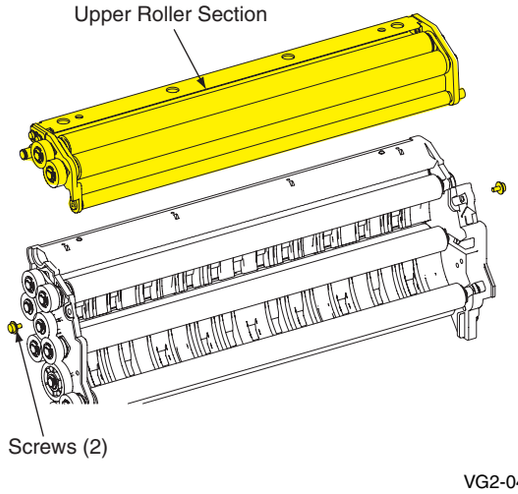
1. Remove the E-ring then the gear.

2. Remove the screws and spacers.



VG2-043

3. Remove the screws then the upper roller section.

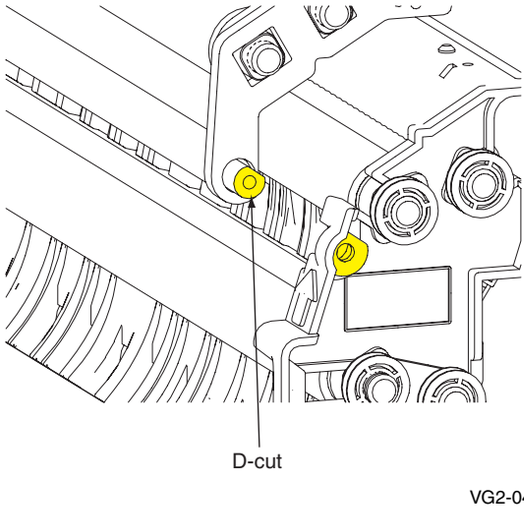


VG2-044

Reinstallation

Reinstallation is essentially in the reverse order of removal.

NOTE: Install the upper section to the lower section by aligning their D-cut as shown.



VG2-048

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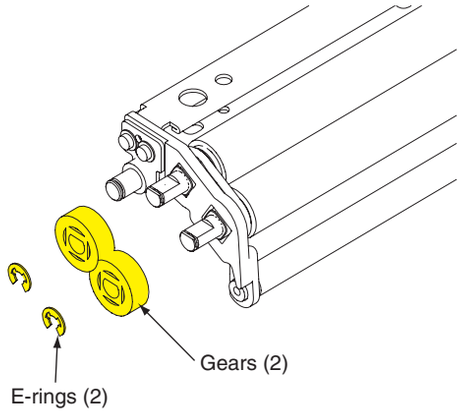
6.2.2 Upper Section Roller Replacement

Removal

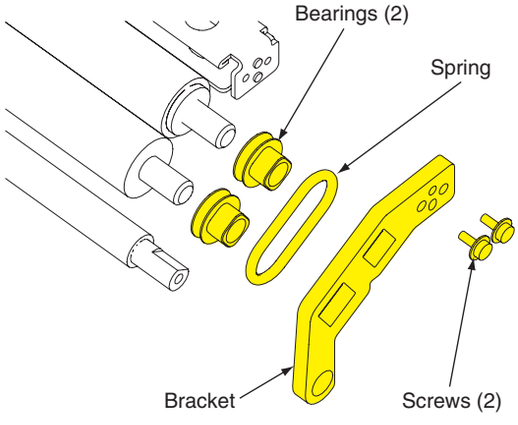
1. Remove the upper roller section (see Subsection 6.2.1).

2. Remove the E-rings then the gears.



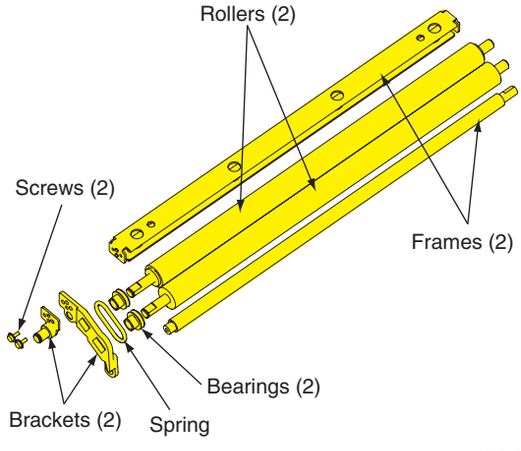
VG2-045

3. Remove the screws then the bracket, spring and bearings.



VG2-046

4. Remove the screws then the brackets, frames, spring, bearings and rollers.



VG2-047

Reinstallation

Reinstallation is essentially in the reverse order of removal.

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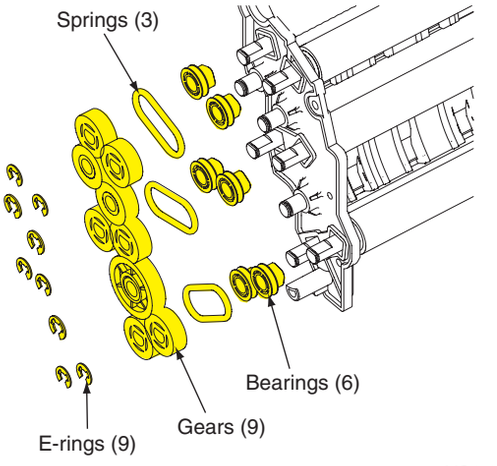
6.2.3 Lower Section Roller Replacement

Removal

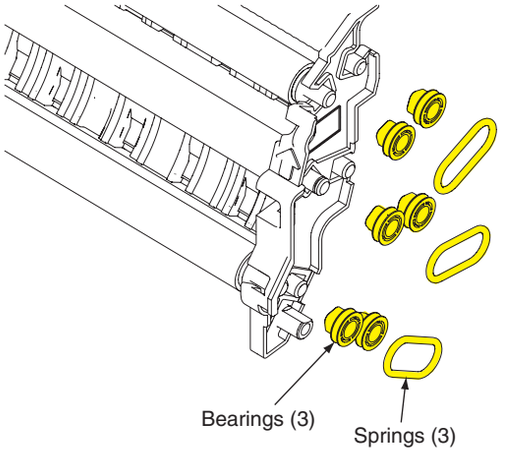
1. Remove the upper roller section (see Subsection 6.2.1).

2. Remove the E-rings then the gears, springs and bearings.



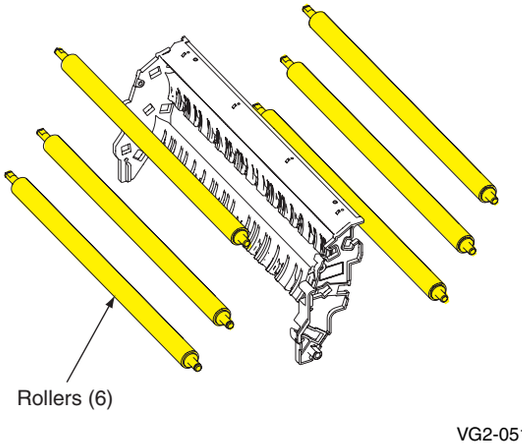
VG2-049

3. Remove the springs then the bearings.



VG2-050

4. Remove the rollers.



VG2-051

Reinstallation

Reinstallation is essentially in the reverse order of removal.

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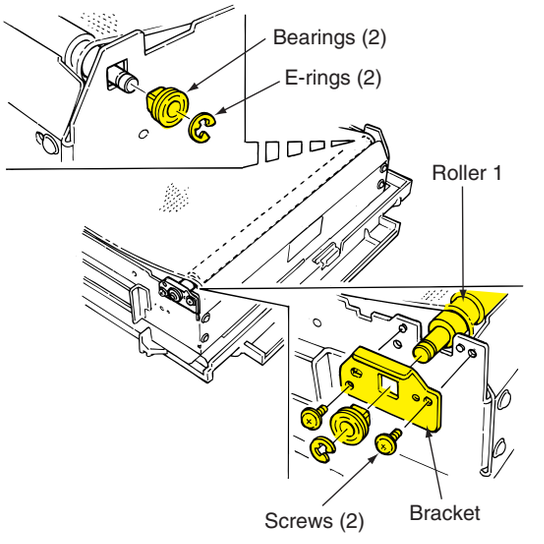
6.3 Dryer Belt Unit Parts Replacement

6.3.1 Dryer Rack Section Rollers and Mesh Belts Replacement

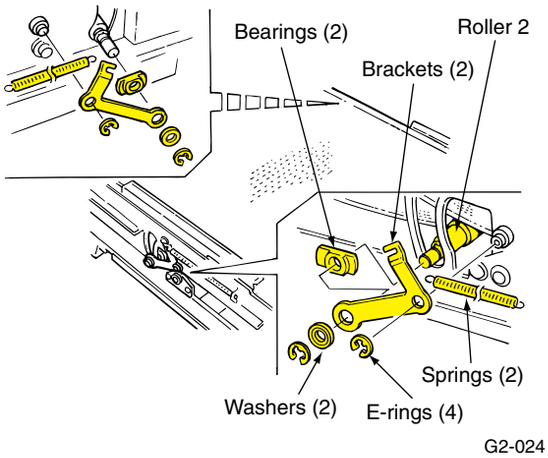
Removal

1. Remove the dryer belt unit (refer to LP-5700 service manual).
2. Remove the E-rings then the bearings.
3. Remove the screws then the bracket and Roller 1.



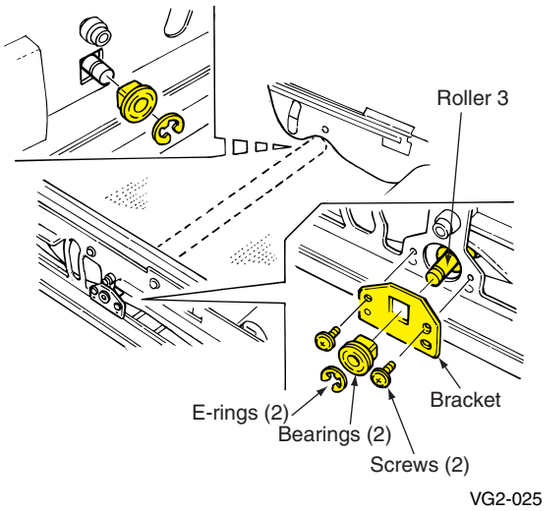
G2-023

4. Remove the springs.
5. Remove the E-rings then the washers, brackets, bearings and Roller 2.



G2-024

6. Remove the E-rings then the bearings.
7. Remove the screws then the bracket and Roller 3.



VG2-025

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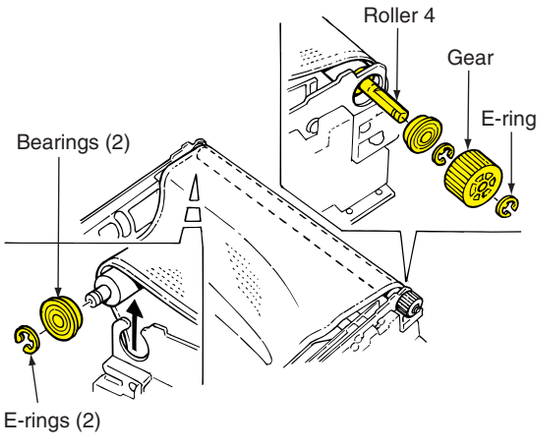
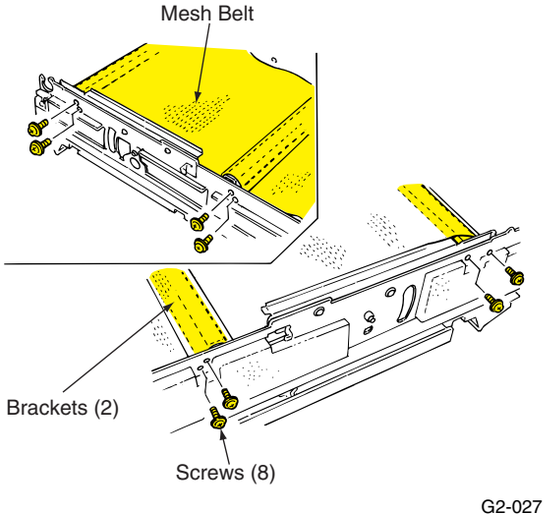
8. Remove the E-ring then the gear.

9. Remove the E-rings then the bearings and Roller 4.



G2-026

10. Remove the screws then the brackets and mesh belts.



G2-027

Installation

Installation is essentially in the reverse order of removal.

NOTE:
- Install Roller 2 with its longer shaft end towards the rear.
- Align the D-cut of Roller 2 and the bearing bracket.
- Note the thickness of the washers.

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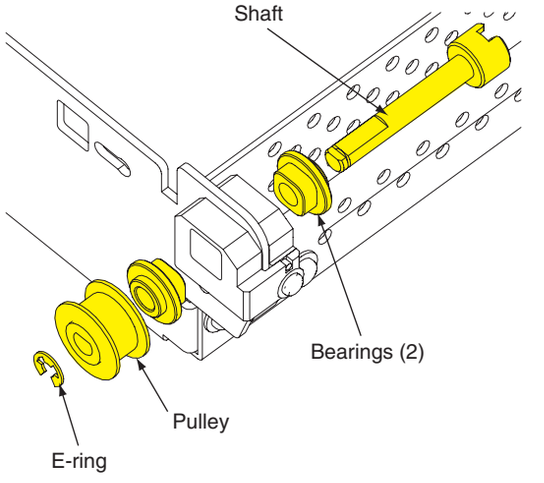
6.4 Dryer Rack Parts Replacement

6.4.1 Front Bearing Housing Disassembly/Reassembly

Disassembly

1. Remove the dryer feed roller drive belt (refer to LP-5700 service manual).

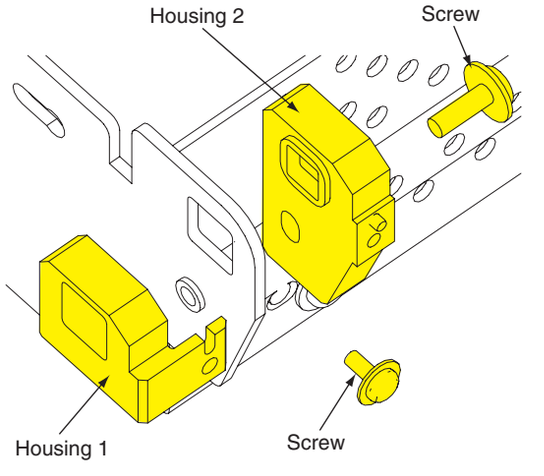
2. Remove the E-ring then the pulley, shaft and bearings.



VG2-052

3. Remove the screw then the Housing 1.

4. Remove the screw then the Housing 2.



VG2-053

Reassembly

Reassembly is essentially in the reverse order of disassembly.

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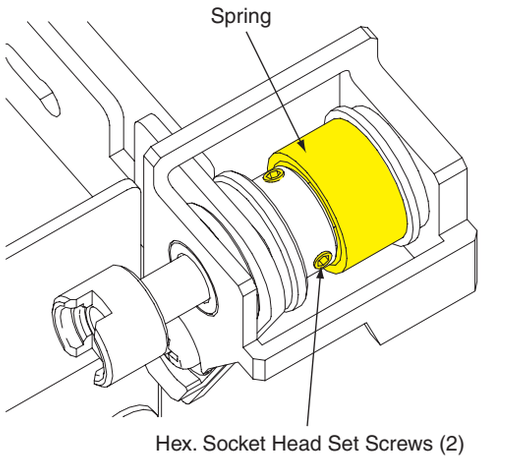
6.4.2 Rear Bearing Housing Disassembly/Reassembly

Disassembly

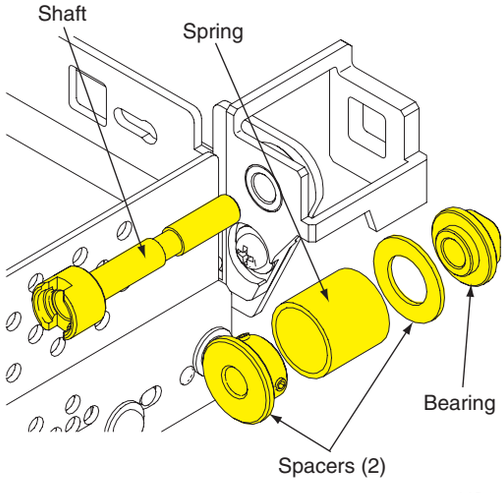
1. Remove the dryer rack belt (refer to LP-5700 service manual).

2. Pressure the spring then loosen the hex. socket head set screws.



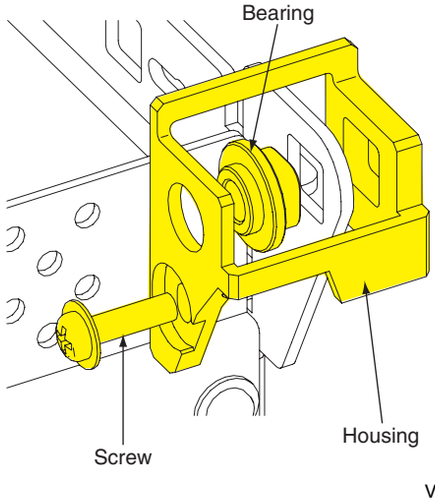
VG2-054

3. Remove the shaft then the spacers, spring and bearing.



VG2-055

4. Remove the screw then the housing and bearing.



VG2-056

Reassembly

Reassembly is essentially in the reverse order of disassembly.

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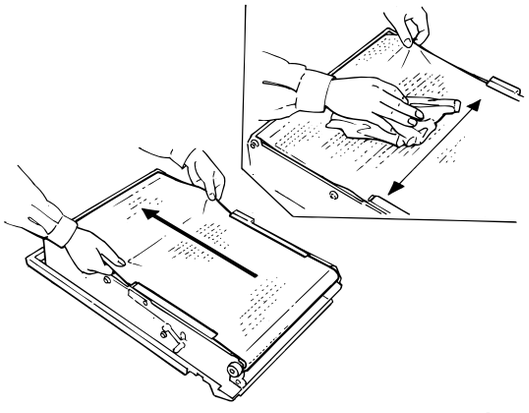
6.5 Dryer Rack Maintenance

6.5.1 Cleaning the Dryer Rack Mesh Belt

1. Remove the dryer belt unit (refer to LP-5700 service manual).
2. Wipe clean the mesh belt using a cloth moistened with water.
3. Reinstallation the dryer belt unit (refer to LP-5700 service manual).



G2-022

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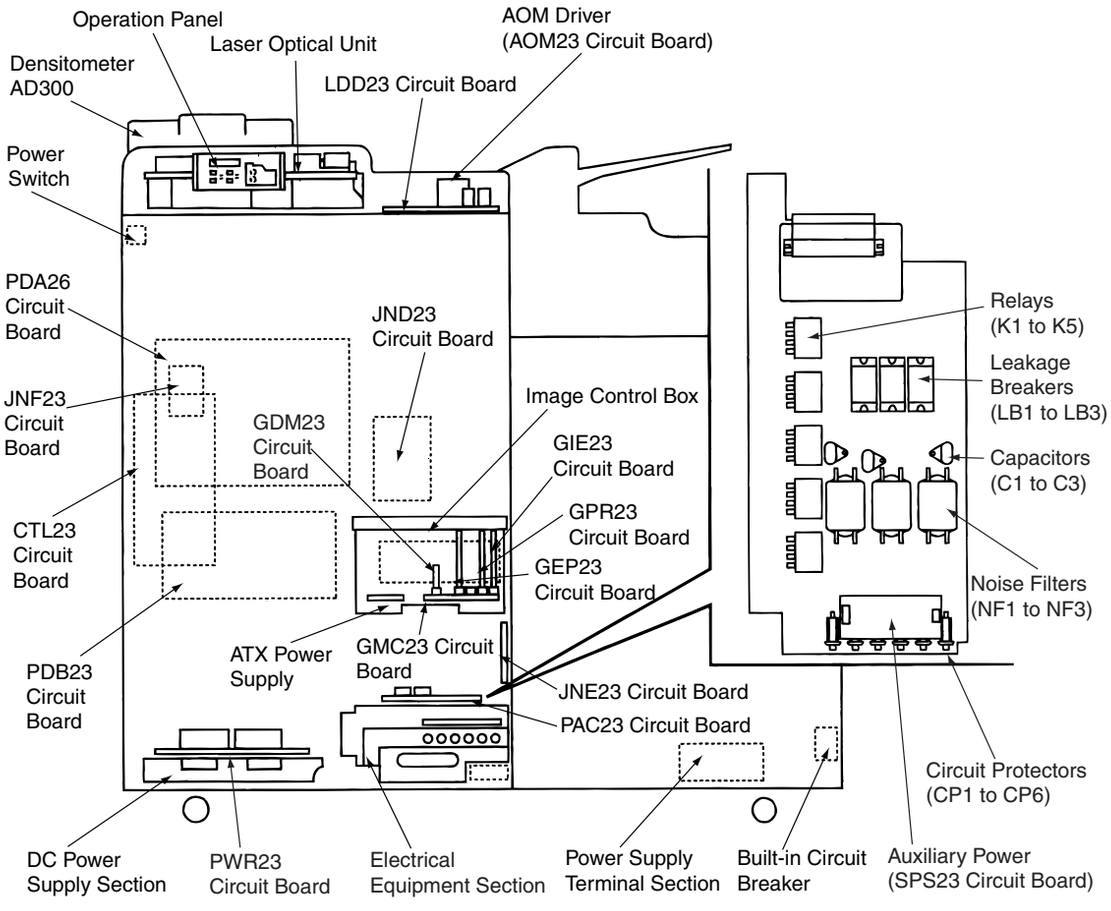
7. ELECTRICAL SECTION

7.1 Parts Location



LⅡ1975

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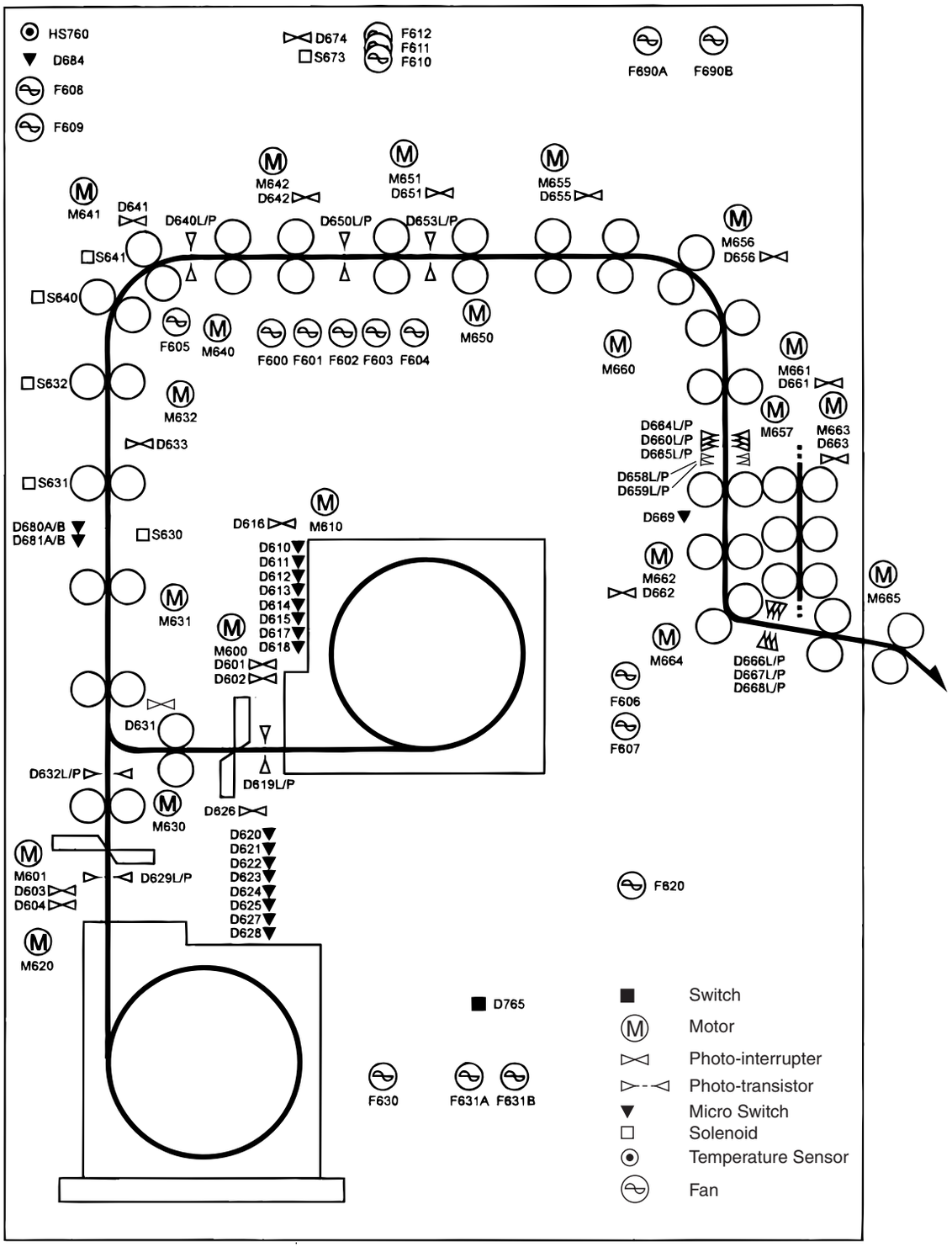
8. ELECTRICAL CIRCUIT DIAGRAMS

8.1 Printer I/O Parts Diagram



LⅡ1189

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8. ELECTRICAL CIRCUIT DIAGRAMS

■ Paper Supply Section

Symbol	Name	Remark
D680A	Magazine door interlock switch 1	Micro Switch
D680B	Magazine door interlock switch 2	Micro Switch
M610	Upper magazine paper supply motor	Pulse Motor
M620	Lower magazine paper supply motor	Pulse Motor

■ Paper Feeding Section

Symbol	Name	Remark
D601	Upper cutter open (home position) sensor	Photo Interrupter
D602	Upper cutter close sensor	Photo Interrupter
D603	Lower cutter open (home position) sensor	Photo Interrupter
D604	Lower shutter close sensor	Photo Interrupter
D610~D615	Upper magazine ID sensor	Micro Switch
D616	Upper magazine paper end sensor	Photo Interrupter
D617	Upper magazine open/close sensor 1	Micro Switch
D618	Upper magazine open/close sensor 2	Micro Switch
D619	Upper magazine splice sensor	LED, Photo-transistor
D620~D625	Lower magazine ID sensor	Micro Switch
D626	Lower magazine paper end sensor	Photo Interrupter
D627	Lower magazine open/close sensor 1	Micro Switch
D628	Lower magazine open/close sensor 2	Micro Switch
D629	Lower magazine splice sensor	LED, Photo-transistor
D631	Upper magazine paper sensor	Photo Interrupter
D632	Lower magazine paper sensor	Separate Type Photo Interrupter
D633	Feed section paper sensor	Photo Interrupter
D640	Registration section paper sensor	Separate Type Photo Interrupter
D641	Tilt home position sensor (for M641)	Photo Interrupter
D642	Nip release home position sensor 1 (for M642)	Photo Interrupter
D681A	Left side door interlock switch 1	Micro Switch
D681B	Left side door interlock switch 2	Micro Switch
M600	Upper cutter drive motor	DC Motor
M601	Lower cutter drive motor	DC Motor
M630/M631/ M632/M640	Feed motor 1 to 4	Pulse Motor
M641	Registration tilt motor	Pulse Motor
M642	Nip release motor 1	Pulse Motor
S630	Back printer head	
S631/S632/ S640/S641	Nip release solenoid 1 to 4	

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8. ELECTRICAL CIRCUIT DIAGRAMS

■ Exposure Section

Symbol	Name	Remark
D650	Exposure section entrance paper sensor	LED, Photo-transistor
D651	Soft nip home position sensor (for M651)	Photo Interrupter
D653	Exposure position paper sensor	LED, Photo-transistor
D674	Shutter open/close sensor	Photo Interrupter
D684	Power switch	Switch
F608	Feed section cooling fan 4	
F609	Feed section cooling fan 5	
F610~F612	Anti-dust fan	
F690A	AOM cooling fan	
F690B	LDD cooling fan	
HS760	Thermohygrometer	IC
M650	Sub-scanning feed motor	Pulse Motor
M651	Soft nip motor	Pulse Motor
S673	Shutter solenoid	
TS650	Exposure point temperature sensor	IC

■ Distribution/Print Exit Section

Symbol	Name	Remark
D655	Nip release home position sensor 2 (for M655)	Photo Interrupter
D656	Nip release home position sensor 3 (for M656)	Photo Interrupter
D657	Nip release home position sensor (for M657)	Photo Interrupter
D658	Nip release start sensor (Front)	Separate Type Photo Interrupter
D659	Nip release start sensor (Rear)	Separate Type Photo Interrupter
D660	Distribution paper sensor (center)	Separate Type Photo Interrupter
D661	Distribution home position sensor (for M661)	Photo Interrupter
D662	Nip release home position sensor 4 (front) (for M652)	Photo Interrupter
D663	Nip release home position sensor 4 (rear) (for M653)	Photo Interrupter
D664	Distribution paper sensor (front)	Separate Type Photo Interrupter
D665	Distribution paper sensor (rear)	Separate Type Photo Interrupter
D666	Speed control section paper sensor (front)	Separate Type Photo Interrupter
D667	Speed control section paper sensor (center)	Separate Type Photo Interrupter
D668	Speed control section paper sensor (rear)	Separate Type Photo Interrupter
D669	Distribution drive standby sensor	Micro Switch
F606	Feed section cooling fan 2	
F607	Feed section cooling fan 3	
M655	Nip release motor 2	Pulse Motor
M656	Nip release motor 3	Pulse Motor
M657	Nip release motor 5	Pulse Motor
M660	Feed motor 5	Pulse Motor
M661	Distribution motor	Pulse Motor
M662	Nip release motor 4 (front)	Pulse Motor
M663	Nip release motor 4 (rear)	Pulse Motor
M664	Speed control motor (front)	Pulse Motor
M665	Speed control motor (rear)	Pulse Motor

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8. ELECTRICAL CIRCUIT DIAGRAMS

■ Power/Electrical/Control Section

Symbol	Name	Remark
D765	Dryer heater selection switch	Switch
F600~F604	Control section exhaust fan	F605
Feed section cooling fan 1	F620	Image control section cooling fan
F630	Power supply cooling fan	F631A/B
Electrical equipment cooling fan		

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8.2 JND23 Circuit Board Wiring Diagram (1/2)

Upper Cutter Open (Home Position) Sensor
Upper Cutter Close Sensor
Upper Magazine ID Sensor 1
Upper Magazine ID Sensor 2
Upper Magazine ID Sensor 3
Upper Magazine ID Sensor 4
Upper Magazine ID Sensor 5
Upper Magazine ID Sensor 6
Upper Magazine Open/Close Sensor 1
Upper Magazine Open/Close Sensor 2
Upper Magazine Paper End Sensor
Upper Magazine Splice Sensor LED
Upper Magazine Splice Sensor
Upper Magazine Paper Sensor
Lower Cutter Open (Home Position) Sensor
Lower Cutter Close Sensor
Lower Magazine ID Sensor 1
Lower Magazine ID Sensor 2
Lower Magazine ID Sensor 3
Lower Magazine ID Sensor 4
Lower Magazine ID Sensor 5
Lower Magazine ID Sensor 6
Lower Magazine Open/Close Sensor 1
Lower Magazine Open/Close Sensor 2
Lower Magazine Paper End Sensor
Lower Magazine Splice Sensor LED
Lower Magazine Splice Sensor
Lower Magazine Paper Sensor LED
Lower Magazine Paper Sensor
Exposure Section Entrance Paper Sensor LED
Exposure Position Paper Sensor LED
Exposure Section Entrance Paper Sensor
Exposure Position Paper Sensor
Soft Nip Home Position Sensor (for M651)
Paper Supply/Feed Section
Sub-scanning Section
JND23 Circuit Board (1/2)
CTL23 Circuit Board

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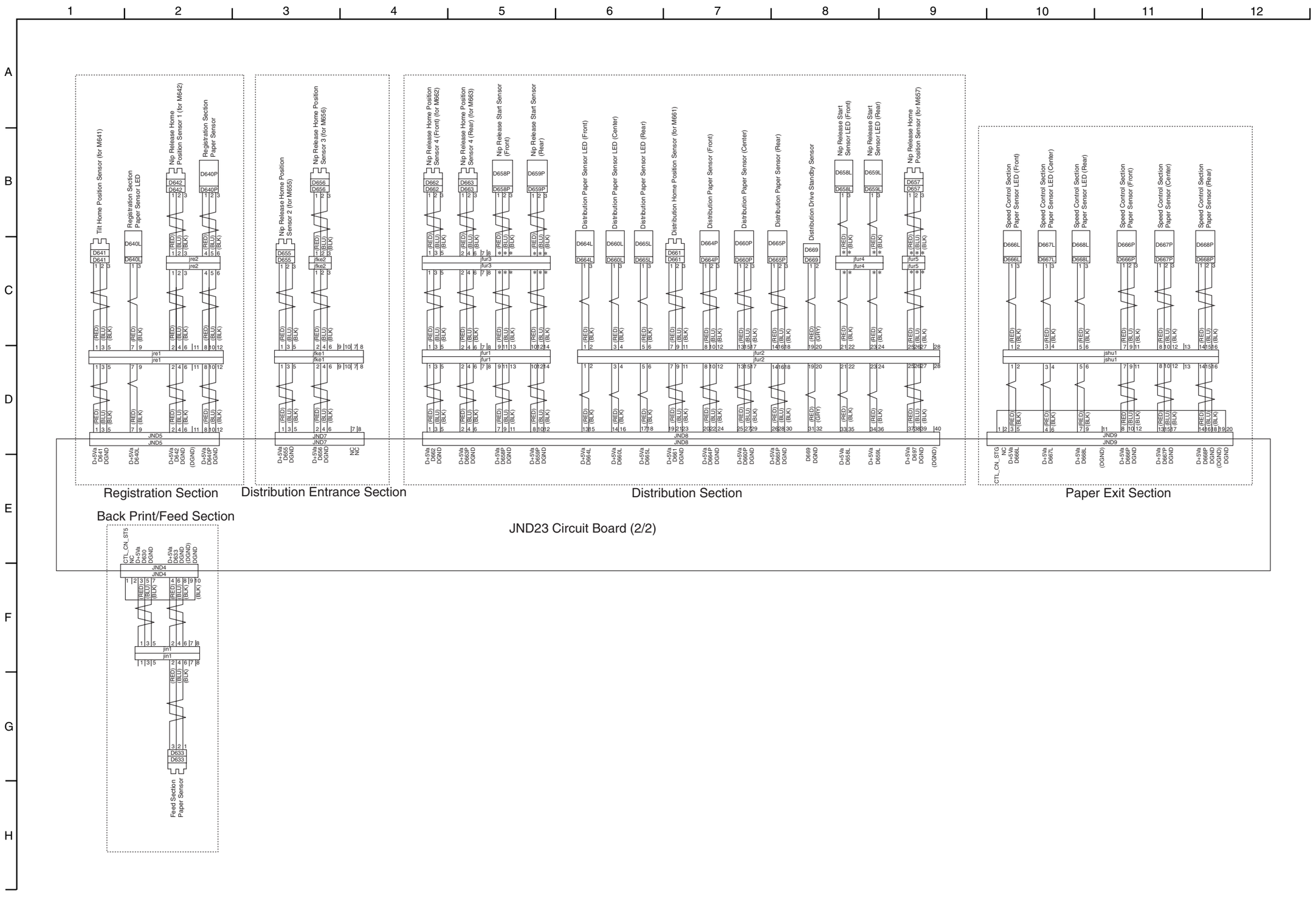
JND23 Circuit Board Wiring Diagram (2/2)



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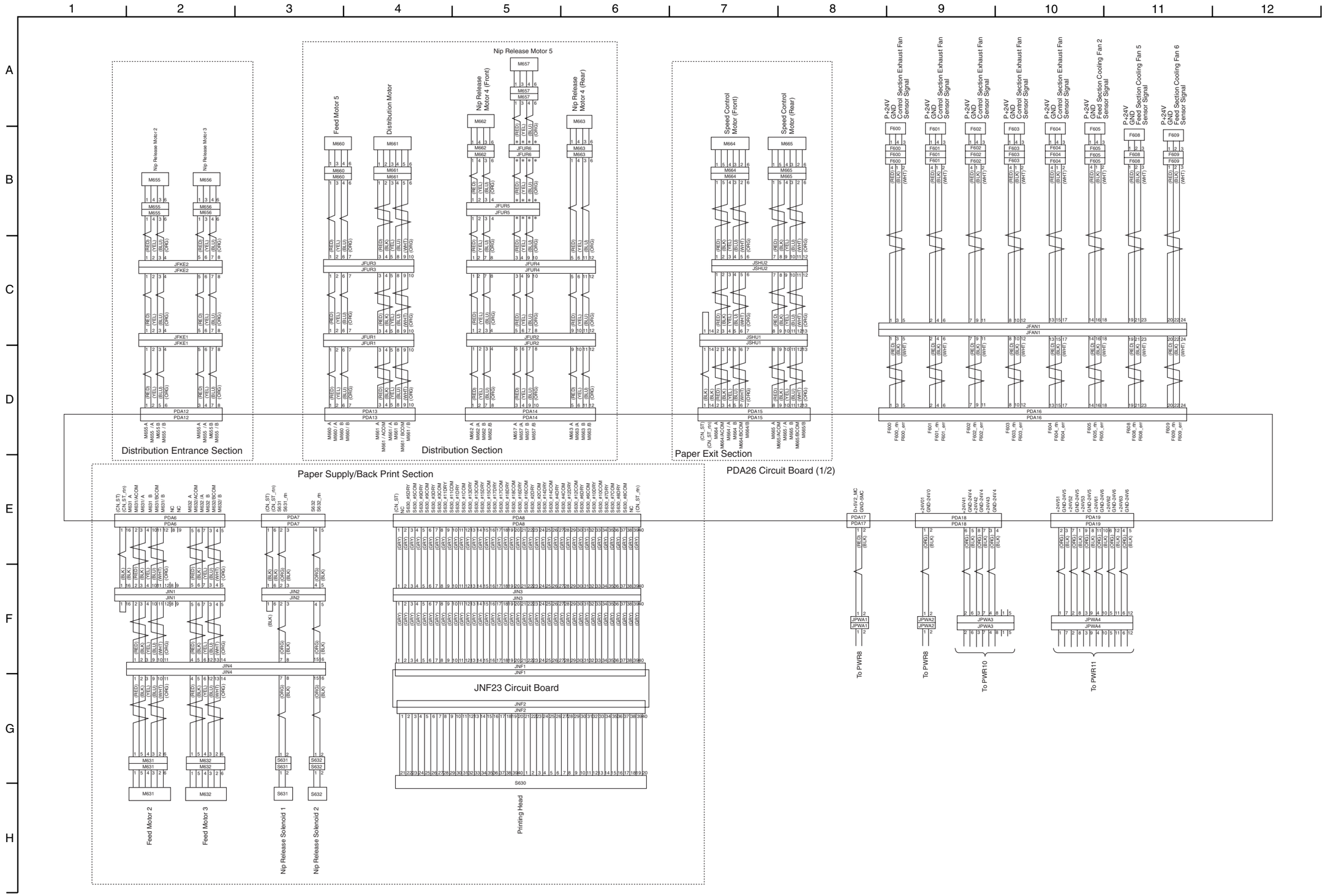
8.3 PDA26 Circuit Board Wiring Diagram (1/2)


Distribution Entrance Section
Distribution Section
Paper Exit Section
Paper Supply/Back Print Section
PDA26 Circuit Board (1/2)
JNF23 Circuit Board
Printing Head
Nip Release Motor 2
Nip Release Motor 3
Feed Motor 5
Distribution Motor
Nip Release Motor 5
Nip Release Motor 4 (Front)
Nip Release Motor 4 (Rear)
Speed Control Motor (Front)
Speed Control Motor (Rear)
P-24V GND Control Section Exhaust Fan Sensor Signal
P-24V GND Feed Section Cooling Fan 2 Sensor Signal
P-24V GND Feed Section Cooling Fan 5 Sensor Signal
P-24V GND Feed Section Cooling Fan 6 Sensor Signal
Feed Motor 2
Feed Motor 3
Nip Release Solenoid 1
Nip Release Solenoid 2
To PWR8
To PWR8
To PWR10
To PWR11

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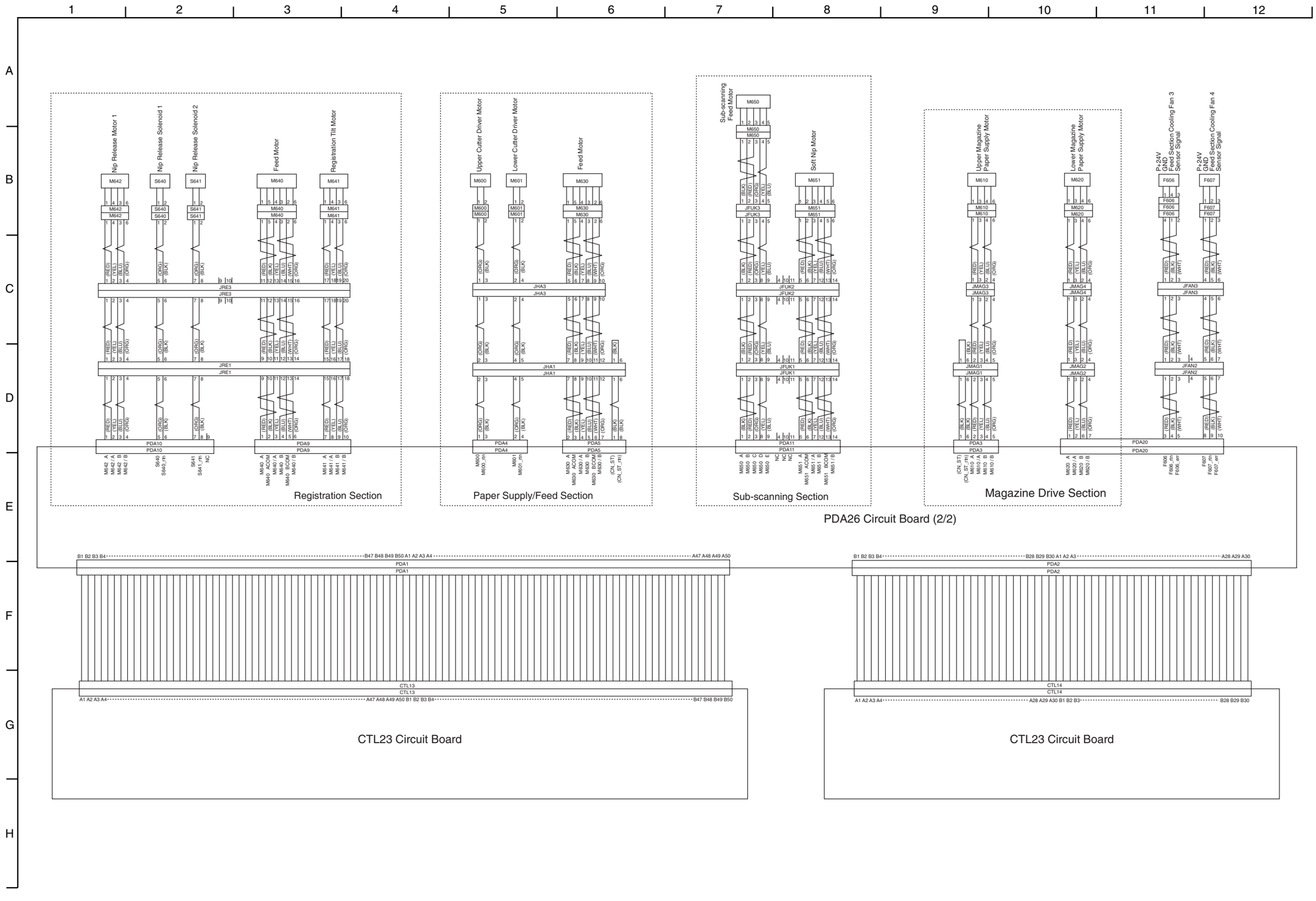
PDA26 Circuit Board Wiring Diagram (2/2)



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9. PARTS LIST

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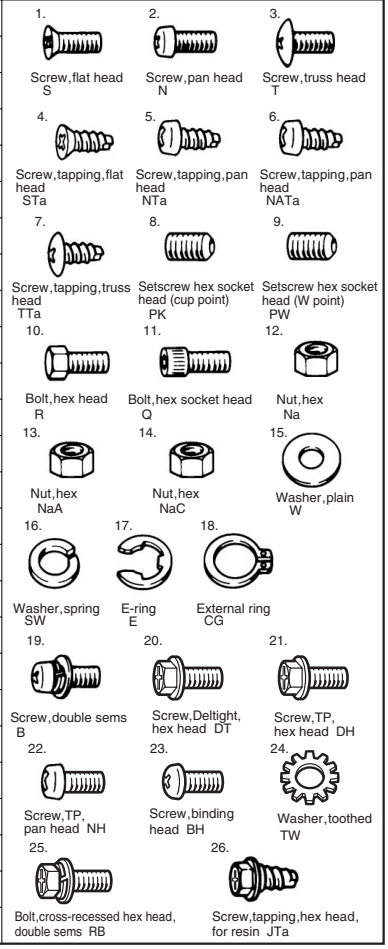
STANDARD MARKING SYSTEM CHART FOR METAL FASTENINGS

These screws,bolts and nuts are ISO metric screw thread.
(The table belows classifies M4 screws.For information on other screws see the guide to screw classification.)

DRAWING REFERENCE NO.	PART NAME	SYMBOL	PART NO (EXAMPLE)	SYMBOL USED IN FIG. (EXAMPLE)	NOTE
1	Screw,flat head	S	301S7000410	∗S4x10	M4x10
2	Screw,pan head	N	301S2000410	∗N4x10	M4x10
3	Screw,truss head	T	301S3000410	∗T4x10	M4x10
4	Screw,tapping,flat head **(NOTE)**	STa	306S3004010	∗STa4x10	4x10
5	Screw,tapping,pan head **(NOTE)**	NTa	306S1004010	∗NTa4x10	4x10
6	Screw,tapping,pan head (with flute) **(NOTE)**	NATa	306SA004010	∗NATa4x10	4x10
7	Screw,tapping,truss head **(NOTE)**	TTa	306SF004010	∗TTa4x10	4x10
8	Setscrew,hex socket head (cup point)	PK	303S2000410	∗PK4x10	M4x10
9	Setscrew,hex socket head (W point)	PW	Refer to attached table		
10	Bolt,hex head	R	304S1000410	∗R4x10	M4x10
11	Bolt,hex socket head	Q	304S3000410	∗Q4x10	M4x10
12	Nut,hex	Na	305S1120004	∗Na4	M4
13	Nut,hex	NaA	305S1110004	∗NaA4	M4
14	Nut,hex	NaC	305S1130004	∗NaC4	M4
15	Washer,plain	W	309S0120004	∗W4	M4
16	Washer,spring	SW	309S0220004	∗SW4	M4
17	E-ring	E	315S3000040	∗E4	Nominal diam.4
18	External ring	CG	315S1000040	∗CG4	Nominal diam.4
19	Screw,double sems	B	308S2000410	B4x10	M4x10, with flat and spring washer
20	Screw,Deltight,hex head	DT	Refer to attached table		
21	Screw,TP,hex head	DH	Refer to attached table		
22	Screw,TP,pan head	NH	Refer to attached table		
23	Screw,binding head	BH	301S4410410	BH4x10	M4x10
24	Washer,toothed	TW	309S0424104	TW4	M4
25	Bolt,cross-recessed hex head,double sems	RB	308S9410306	RB3x6	M3x6
26	Screw,tapping,hex head,for resin	JTa	Refer to attached table		

SHAPE


1. Screw,flat head S
2. Screw,pan head N
3. Screw,truss head T
4. Screw,tapping,flat head STa
5. Screw,tapping,pan head NTa
6. Screw,tapping,pan head NATa
7. Screw,tapping,truss head TTa
8. Setscrew hex socket head (cup point) PK
9. Setscrew hex socket head (W point) PW
10. Bolt,hex head R
11. Bolt,hex socket head Q
12. Nut,hex Na
13. Nut,hex NaA
14. Nut,hex NaC
15. Washer,plain W
16. Washer,spring SW
17. E-ring E
18. External ring CG
19. Screw,double sems B
20. Screw,Deltight, hex head DT
21. Screw,TP, hex head DH
22. Screw,TP, pan head NH
23. Screw,binding head BH
24. Washer,toothed TW
25. Bolt,cross-recessed hex head, double sems RB
26. Screw,tapping,hex head, for resin JTa

● MATERIAL INDICATING MARK

MATERIAL	MARK ADDED TO PART SYMBOL	EXAMPLE	MATERIAL CODE
Iron Chromate	Not used	N4	11
SUS304	∗	∗N4	00
SUS316	∗∗	∗∗N4	05
Titanium	∗∗∗	∗∗∗N4	80
SUS304-CSP	⊛	⊛N4	36

MATERIAL	MARK ADDED TO PART SYMBOL	EXAMPLE	MATERIAL CODE
Iron nickel	Shape-indicating symbol enclosed in a circle	Ⓝ4	10
Iron (black oxide coating)	Shape-indicating symbol enclosed in a square	N4	12
Brass nickel	Shape-indicating symbol enclosed in a triangle	N4	55
SCM nickel	Shape-indicating symbol enclosed in a double triangle	N4	15

MATERIAL	MARK ADDED TO PART SYMBOL	EXAMPLE	MATERIAL CODE
Plastic	●	●CP	92
SWRH nickel	Shape-indicating symbol enclosed in a double circle	Ⓝ4	41
SCM black oxide coating	Shape-indicating symbol enclosed in a triangle	N4	18
SWCH Zinc coating+ White chromate treatment	Shape-indicating symbol enclosed in a double square	N4	78

● DECIPHERING THE IDENTIFICATION MARKINGS OF SCREWS

Screw → 3 0 1 S
Setscrew → 3 0 2 S
Setscrew → 3 0 3 S
Bolt → 3 0 4 S
Screw,sems → 3 0 8 S □ □□ □□ □□

Item · Material · Nominal Diam · Length
Type (Shape)

TYPE (SHAPE) CLASSIFICATION

Screw,pan head	2
Screw,truss head	3
Screw,binding head	4
Screw,flat head	7
Setscrew,slotted head (flat point)	1
Setscrew,slotted head (cup point)	2
Setscrew,slotted head (cone point)	3
Setscrew,hex socket head (flat point)	1
Setscrew,hex socket head (cup point)	2
Setscrew,hex socket head (cone point)	3
Bolt,hex head (Leguar)	1
Bolt,hex head (thin)	2
Bolt,hex socket head	3
Screw,sems (small)	4
Screw,sems (large)	5
Screw,double sems (small)	2
Screw,double sems (large)	3
Bolt,hex socket head,double sems (small)	7
Bolt,hex socket head,double sems (large)	8
Bolt,cross-recessed hex head,double sems	9

DECIPHERING THE IDENTIFICATION MARKINGS OF NOMINAL DIAMETER
Example: M2.6x8 Nominal diam. M2.6→26, Length 8→08
M3x10 Nominal diam. M3→03, Length 10→10
M4x10 Nominal diam. M4→04, Length 10→10

● DECIPHERING THE IDENTIFICATION MARKINGS OF TAPPING SCREW

Screw,tapping → 3 0 6 S □ □□ □□ □□

Item · Material · Nominal Diam · Length
Type (Shape)

TYPE (SHAPE) CLASSIFICATION

Screw,tapping,truss head (cone,large diam)	F
Screw,tapping,truss head (flat point)	G
Screw,tapping,truss head (cone point)	H
Screw,tapping,pan head (flat point)	1
Screw,tapping,pan head (cone point)	2
Screw,tapping,flat head (flat point)	3
Screw,tapping,flat head (cone point)	4
Screw,tapping,pan head (with flute)	A

(NOTE)
DECIPHERING THE IDENTIFICATION MARKINGS OF NOMINAL DIAMETER
Example: 3x8 Nominal diam. 3→30, Length 8→08
3.5x10 Nominal diam. 3.5→35, Length 10→10
4x10 Nominal diam. 4→40, Length 10→10

● DECIPHERING THE IDENTIFICATION MARKINGS OF WASHER. NUT AND RETANING RING

Washer → 3 0 9 S □□ 2 □□ □□

Item · Material · Shape · Nominal Diam
Type

DECIPHERING THE IDENTIFICATION MARKINGS OF NOMINAL DIAMETER
Example: M2.6→26
M3 →03
M4 →04

TYPE CLASSIFICATION
Washer,plain.....01
Washer,spring.....02
Washer,toothed....04

Nut → 3 0 5 S □ 1 2 □□ □□

Item · Material · Shape · Nominal Diam
Type

DECIPHERING THE IDENTIFICATION MARKINGS OF NOMINAL DIAMETER
Example: M2.6→26
M3 →03
M4 →04

SHAPE CLASSIFICATION
1 Type.....1
2 Type.....2
3 Type.....3

Screw Standards

TYPE CLASSIFICATION
Nut,hex.....1

Ring, retaining → 3 1 5 S □ □□ 0□□□

Item · Material · Nominal Diam
Type

DECIPHERING THE IDENTIFICATION MARKINGS OF NOMINAL DIAMETER
Example: Nominal diam. 3 →030
Nominal diam. 4 →040
Nominal diam. 12→120

TYPE CLASSIFICATION
C-ring,external.....1
C-ring,internal.....2
E-ring.....3

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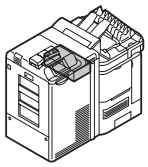
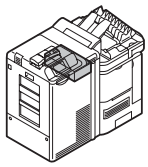
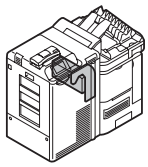
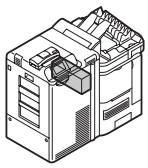
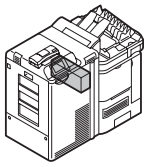
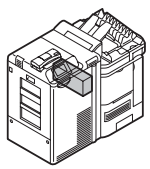
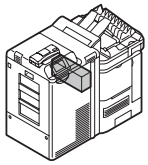
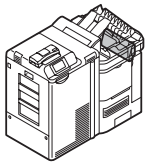
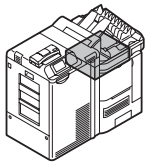
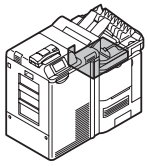
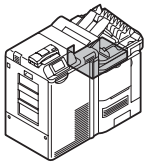
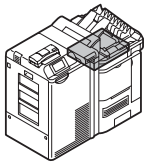
STANDARD MARKING SYSTEM CHART FOR METAL FASTENINGS

DRAWING REFERENCE NO.	PART NAME	PART NO	SYMBOL USED IN FIG.	NOTE	SHAPE
9	Setscrew,hex socket head (W point) Material : Alloy steel Treatment : Zinc coating +Phosphite	303S0102	PW3x4	M3x4	9. Setscrew hex socket head (W point) PW
		303S0104	PW3x6	M3x6	
20	Screw,Deltight,hex head Material : SWCH 16A Treatment : Zinc coating + White chromate treatment	306S0101	DT3x6	M3x6	20. Screw,Deltight,hex head DT
		306S0102	DT3x8	M3x8	
		306S0103	DT3x10	M3x10	
		306S0107	DT4x8	M4x8	
		306S0109	DT4x12	M4x12	
21	Screw,TP,hex head Material : Carbon steel Treatment : Zinc coating + White chromate treatment	308S0414	DH3x6	M3x6	21. Screw,TP,hex head DH
		308S0416	DH4x6	M4x6	
		308S0417	DH3x8	M3x8	
		308S0418	DH3x10	M3x10	
		308S0419	DH3x12	M3x12	
		308S0422	DH3x18	M3x18	
		308S0423	DH3x25	M3x25	
		308S0424	DH4x8	M4x8	
		308S0426	DH4x12	M4x12	
22	Screw,TP,pan head Material : SUSXM-7	308S0462	NH3x6	M3x6	22. Screw,TP,pan head NH
		308S0466	NH4x6	M4x6	
		308S0467	NH4x8	M4x8	
		308S0468	NH4x10	M4x10	
26	Screw,tapping,hex head,for resin Material : SWCH 16A Treatment : Zinc coating + White chromate treatment	306S0151	JTa3x6	M3x6	26. Screw,tapping,hex head,for resin JTa
		306S0152	JTa3x8	M3x8	
		306S0153	JTa3x10	M3x10	
		306S0154	JTa3x12	M3x12	
		306S0155	JTa4x8	M4x8	
		306S0156	JTa4x10	M4x10	
		306S0157	JTa4x12	M4x12	

INDEX **15** DISTRIBUTION ENTRANCE SECTION (1)  LP-5900	INDEX **16** DISTRIBUTION ENTRANCE SECTION (2)  LP-5900	INDEX **17** DISTRIBUTION SECTION (1)  LP-5900
INDEX **18** DISTRIBUTION SECTION (2)  LP-5900	INDEX **19** DISTRIBUTION SECTION (3)  LP-5900	INDEX **20A** DISTRIBUTION SECTION (4)  LP-5900
INDEX **20B** DISTRIBUTION SECTION (5)  LP-5900	INDEX **33** DRYING ENTRANCE RACK SECTION  LP-5900	INDEX **41** DRYER SECTION (1)  LP-5900
INDEX **42** DRYER SECTION (2)  LP-5900	INDEX **43** DRYER SECTION (3)  LP-5900	INDEX **44** DRYER SECTION (4)  LP-5900

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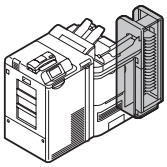
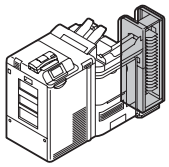
INDEX 54	INDEX 55	INDEX 75
SU2400AY (1)	SU2400AY (2)	OUTPUT UNIT PARTS NO. INDEX LIST
 LP-5900	 LP-5900	

The parts shown in the shaded area of each index illustration are described in the page or pages having the same index number.

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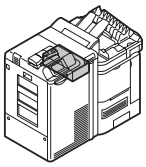
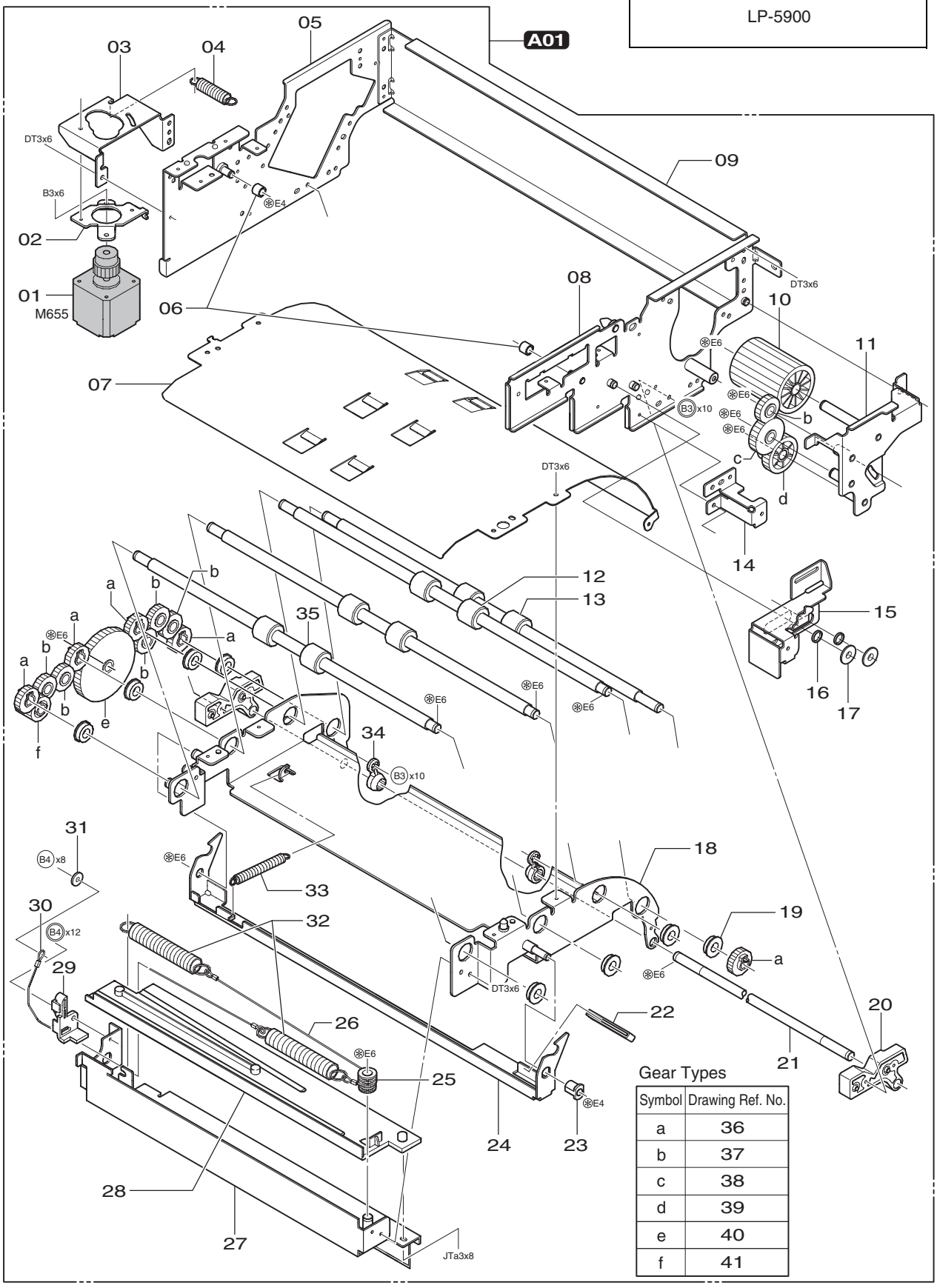
DISTRIBUTION ENTRANCE SECTION (1)



LP-5900



Gear Types

Symbol	Drawing Ref. No.
a	36
b	37
c	38
d	39
e	40
f	41

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DISTRIBUTION ENTRANCE SECTION (1)

Drawing Ref. No.	Part No.	Part Name	Qty	Remarks
01 •	118SX204A	Motor M655	3	SHINANO STP-42D2046
02	356D1057805C	Bracket	3	
03	356D1057477C	Bracket	1	
04 •	388D1057901B	Spring	2	
05	348C1112182B	Side plate ass'y		
06	338D1057826	Ring	8	
07	363D1057497C	Guide	1	
08	348C1112180C	Side plate ass'y	1	
09	355C1112194B	Frame	1	
10	327D1057837A	Gear	1	
11	356C1112156B	Bracket ass'y	1	
12 •	334C1057788	Roller	2	
13 •	334C1057431A	Roller	1	
14	356D1112170A	Bracket	1	
15	356D1112181C	Bracket	1	
16 •	334D1058426	Roller	2	
17 •	322D1058194A	Support,shaft	2	
18	355C1057416L	Frame	1	
19 •	322SP214	Support,shaft	69	MINEBEA,DDLF-168HH,NIHON SEIKOH(NSK), F688A-H-ZZ1
20 •	322D1057498A	Support,shaft	2	
21	319D1057525A	Shaft	1	
22	340D990513A	Knob	7	(E)
23 •	322D1057919A	Support,shaft	2	
24	342D1057489G	Lever	1	
25	338D1057783B	Ring	1	
26 •	383D1057785	Wire	1	
27	356C1057557B	Bracket	1	
28	365D1057550E	Rail	1	
29	356D1057779C	Bracket	1	
30 •	383D1057786A	Wire	1	
31	309S010004	Washer	1	
32 •	388D1057784C	Spring	2	
33 •	388D1057526A	Spring	1	
34	365D1057552	Rail	2	
35 •	334C1057430	Roller	1	
36	327S1121603A	Gear,spur	6	
37	327S1121604A	Gear,spur	5	
38	327S1122403B	Gear,spur	4	
39	327D1057835B	Gear	2	
40	327S1124803	Gear,spur	1	
41	327D1057496A	Gear	1	
A01 ▪	808C1112151	Distribution entrance unit	1	INDEXES 15-A01 and 16-A01 inclusive

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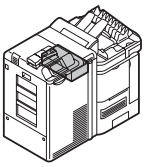
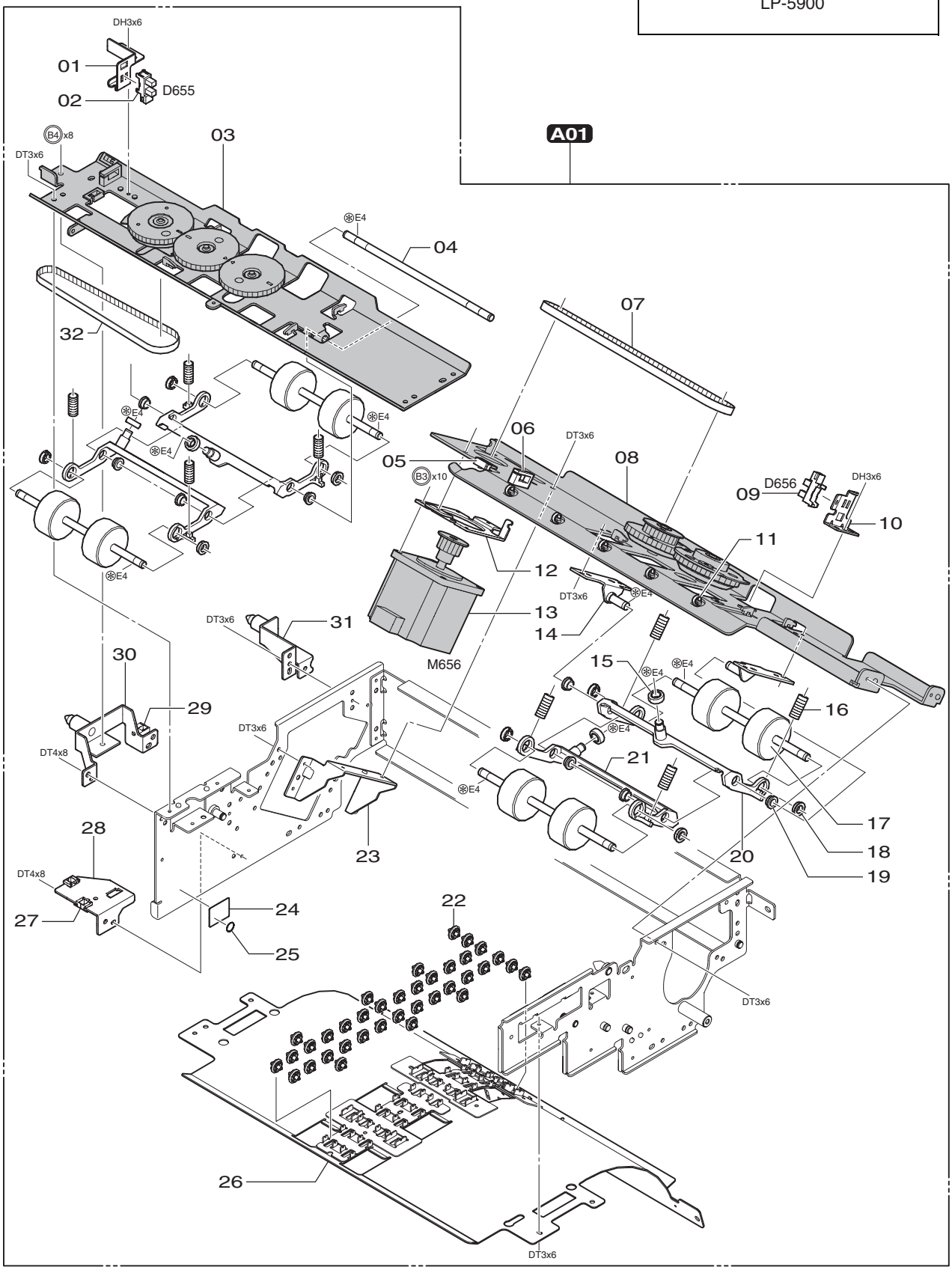
DISTRIBUTION ENTRANCE SECTION (2)



LP-5900



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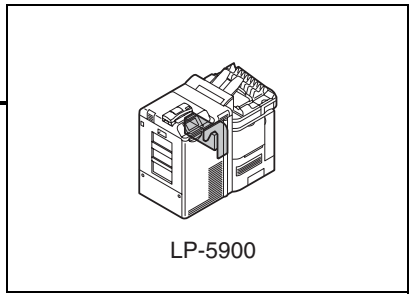
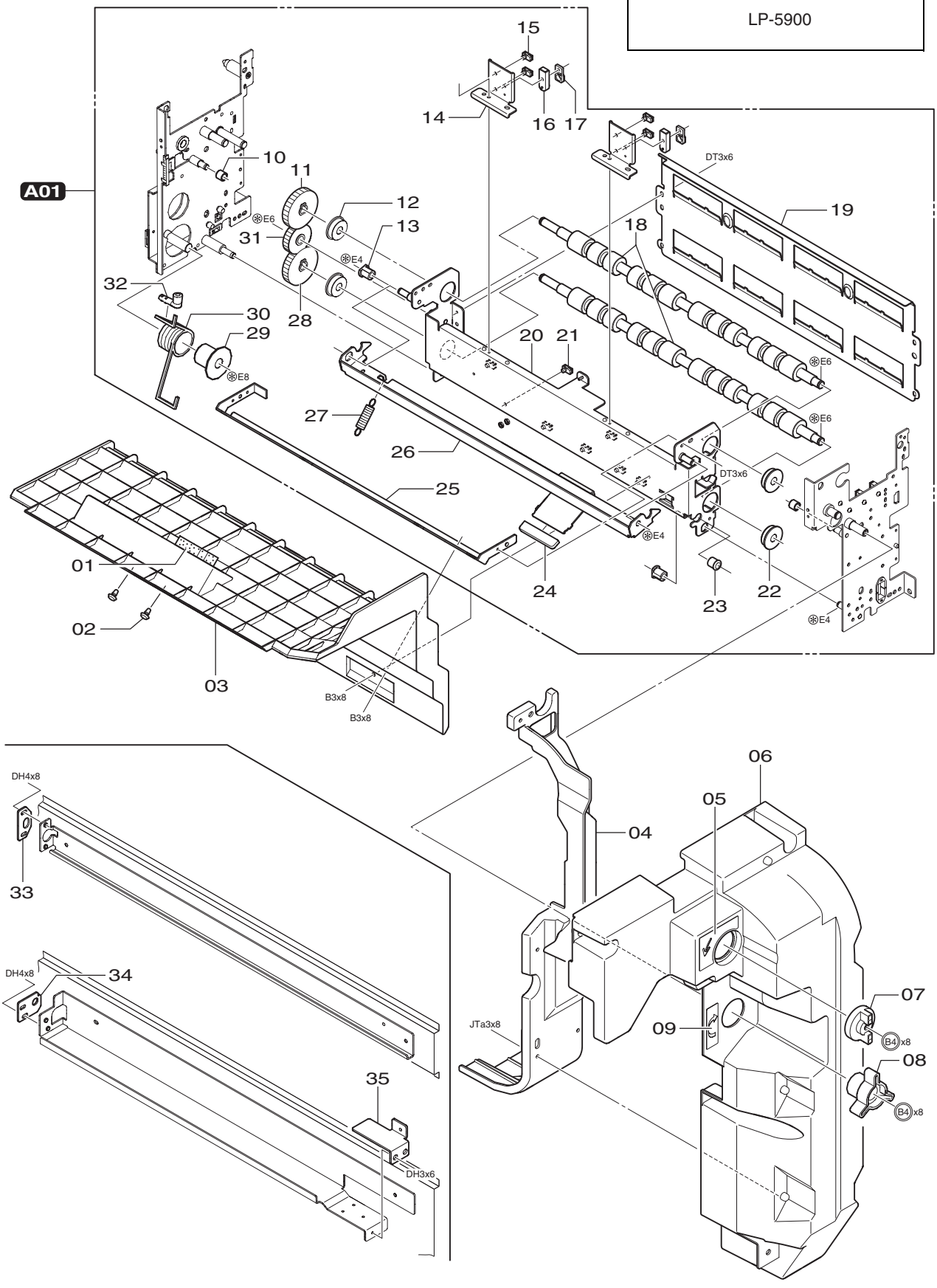
DISTRIBUTION ENTRANCE SECTION (2)

Drawing Ref. No.	Part No.	Part Name	Qty	Remarks
01	356D1057485B	Bracket	1	
02 •	146S0029A	Detector D655	22	SHARP GP-1A73A
03	355C1057559A	Frame	1	
04	319D1057542	Shaft	1	
05	316S0256	Clamp,cord	42	NIX LES-0510
06	316S1026	Clamp,cord	29	NIX LWS-0511Z
07 •	323S3363	Belt,timing	1	MITSUBOSHI B60S3M420
08	355C1112161	Frame	1	
09 •	146S0029A	Detector D656	22	SHARP GP-1A73A
10	356D1057486D	Bracket	1	
11	316S1076	Tie,wire	19	KITAGAWA PLT 1M
12	356D1057482B	Bracket	2	
13 •	118SX206	Motor M656	2	SHINANO STP-59D3001
14	356C1057417B	Bracket	2	
15 •	334D1057883B	Roller	10	
16 •	388D1057536	Spring	8	
17 •	334C1057438B	Roller	4	
18 •	322D1057934A	Support,shaft	16	
19 •	322D1057842A	Support,shaft	8	
20	341C1057414D	Arm	2	
21	341C1057412D	Arm	2	
22 •	334D1057532C	Roller	38	
23	356D1112163A	Bracket	1	
24	405D1058064	Label	3	
25	405D1058063	Label	1	
26	363C1057440G	Guide ass'y	1	
27	316S1245	Clamp,cord	2	NIX LES-0505
28	356D1057541F	Bracket	1	
29	316S0260	Clamp,cord	52	NIX LWSM-0605
30	356C1057418G	Bracket	1	
31	356C1057419D	Bracket	1	
32 •	323S3362	Belt,timing	1	MITSUBOSHI B60S3M327
A01 ⊗	808C1112151	Distribution entrance unit	1	INDEXES 15-A01 and 16-A01 inclusive

DISTRIBUTION SECTION (1)





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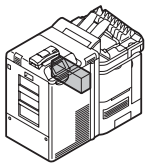
DISTRIBUTION SECTION (1)

Drawing Ref. No.	Part No.	Part Name	Qty	Remarks
01	386D1057963C	Pad	1	
02	386S1087	Pad	2	
03	350D1057932D	Cover	1	
04	350D1112303C	Cover	1	
05	405D1112342	Label	1	
06	350D1112302B	Cover	1	
07	340D1112319C	Knob	1	
08	327D1057925C	Gear	1	
09	405D1057977A	Label	1	
10	338D1057826	Ring	8	
11	327S1123202A	Gear,spur	4	m=1.25 Z=32
12 •	322SP224	Support,shaft	31	MINEBEA,DDRF-2280HH,NIHON SEIKOH(NSK), F608-H-ZZ
13 •	322D1057919A	Support,shaft	2	
14	356D1112239B	Bracket	1	
15	316S0258	Clamp,cord	7	NIX LWSM-0306
16 •	146S0080A	Detector D660/4/5L	3	SHINKOH KB1242-AA14
17	350D1057800B	Cover	3	
18 •	334C1057756B	Roller	2	
19	363D1112240A	Guide	1	
20	348C1112272B	Side plate ass'y	1	
21	316S0258	Clamp,cord	7	NIX LWSM-0306
22 •	322SP224	Support,shaft	31	MINEBEA,DDRF-2280HH,NIHON SEIKOH(NSK), F608-H-ZZ
23	318S1072	Bushing	1	HEICO OCB-375
24	340D990513A	Knob	7	(E)
25	356D1057960F	Bracket	1	
26	342D1057818D	Lever	1	
27 •	388D1057789B	Spring	1	
28	327S1123202A	Gear,spur	3	
29	335D1057986	Flange	1	
30 •	388D1057961C	Spring,torsion	1	
31	327S1122403B	Gear,spur	4	
32	338D1057990A	Ring	1	
33	347D1057865A	Plate,adjustment	1	
34	347D1057866C	Plate,adjustment	1	
35	347D1057900B	Plate,adjustment	1	
A01 •	808C1112200	Distribution section	1	INDEXES 17-A01, 18-A01,19-A01, 20A-A01 and 20B-A01 inclusive

DISTRIBUTION SECTION (2)



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A01

Clamp Types

Symbol	Drawing Ref. No.
a	50
b	51
c	52
d	53
e	54
f	55
g	56

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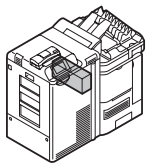
DISTRIBUTION SECTION (2)

Drawing Ref. No.	Part No.	Part Name	Qty	Remarks
01 •	118C1057772A	Motor M661	1	103H7126-1245
02	356D1057482B	Bracket	2	
03	356D1057920G	Bracket	1	
04 •	388D1057829C	Spring	1	
05	356D1057988A	Bracket	1	
06 •	323S3367	Belt,timing	1	MITSUBOSHI B100S5M320
07 •	322SP214	Support,shaft	69	MINEBEA,DDLF-168HH,NIHON SEIKOH(NSK), F688A-H-ZZ1
08 •	324D1057875D	Wheel,belt	1	
09 •	323S3368	Belt,timing	1	MITSUBOSHI B100S5M780
10 •	146S0029A	Detector D661	22	SHARP GP-1A73A
11	356D1057820B	Bracket	1	
12 •	324D1057878C	Wheel,belt	1	
13 •	146S0089	Detector D660P, D664P,D665P	16	SHINKOH KB1241-AA24
14	350D1057962B	Cover	1	
15	356D1057821H	Bracket	1	
16	319D1057520A	Shaft	1	
17	355C1057750F	Frame	1	
18	316S1076	Tie,wire	19	
19	356C1057723C	Bracket	1	
20	348D1112346	Plate,side	1	
21 •	322SB035	Support,shaft	2	NMB DDL-1480ZZ
22 •	324D1057877C	Wheel,belt	1	
23 •	323S3364	Belt,timing	1	MITSUBOSHI B60S3M246
24 •	327D1057838B	Gear	1	OSCO with torque limiter
25	327D1057835B	Gear	2	
26	319C1057791	Shaft ass'y	1	
27	356D1112267B	Bracket	1	
28	316S1076	Tie,wire	9	
29	348C1112322A	Side plate ass'y	1	
30	327S1122003A	Gear,spur	1	
31	327S1121603A	Gear,spur	6	
32	316S0174	Clamp,cord	23	NIX SB-1909
33 •	128C1057971B	Detector D669	1	OMRON SS-01GL2
34	350D1057972C	Cover	1	
35	355D1057873H	Frame	1	
36	363D1112241E	Guide	1	
37	363D1057906B	Guide	1	
38	405F8168C	Label	4	
39	356D1057824H	Bracket	1	
40	405D1058064	Label	2	
41	405D10580603	Label	2	
42 •	146S0080A	Detector D660L, D664L,D665L	11	SHINKOH KB1242-AA14
43	350D1057800A	Cover	11	
44	350D1057936	Cover	3	
45	356D1057930C	Bracket	1	
46	364D1057970	Guard	1	
47 •	118SX206	Motor M660	2	SHINANO STP-59D3001
48	356C1057984	Bracket	1	
49 •	388D1057828A	Spring	1	
50	316S0256	Clamp,cord	42	NIX LES-0510
51	316S0259	Clamp,cord	136	NIX LWSM-0511
52	316S1033	Clamp,cord	49	NIX LES-1010
53	316S1246	Clamp,cord	1	NIX SKB-100PW
54	316S0258	Clamp,cord	7	NIX LWSM-0306
55	316S1026	Clamp,cord	2	NIX LWS-0511Z
56	318S1072	Clamp,cord	1	
A01 •	808C1112200	Distribution section	1	INDEXES 17-A01, 18-A01,19-A01, 20A-A01 and 20B-A01 inclusive

DISTRIBUTION SECTION (3)



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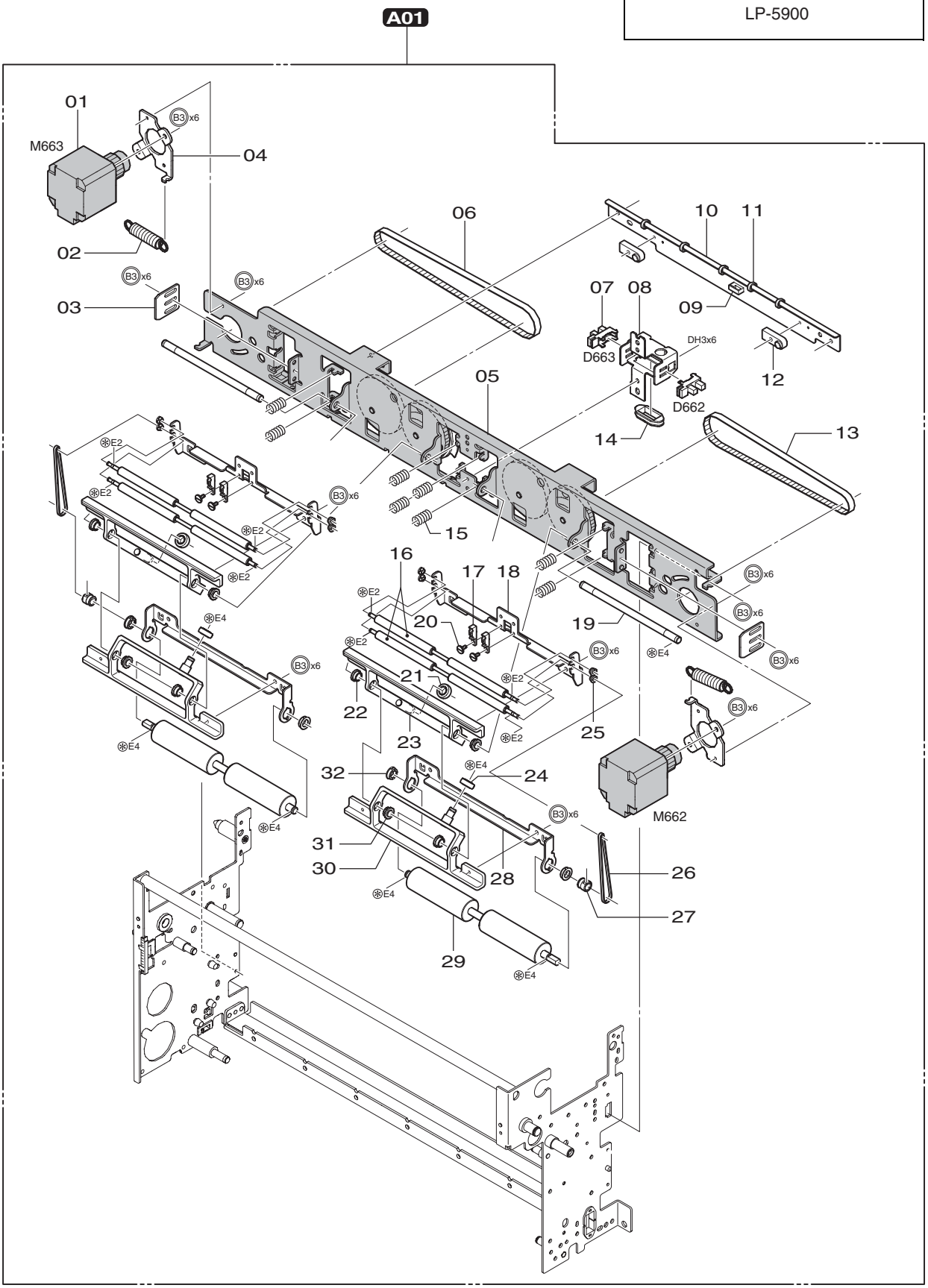

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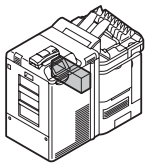
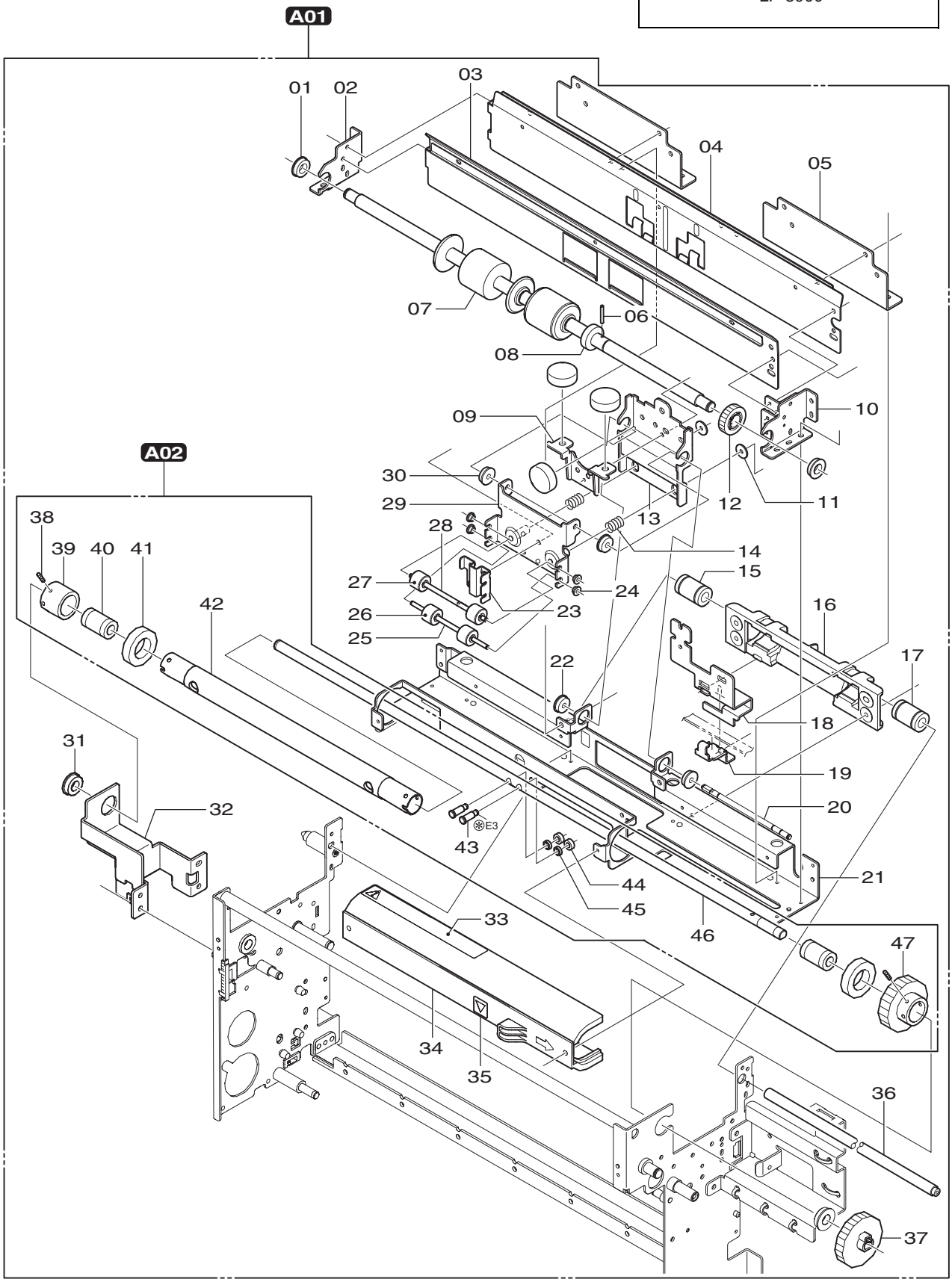
DISTRIBUTION SECTION (3)

Drawing Ref. No.	Part No.	Part Name	Qty	Remarks
01 •	118SX204A	Motor M662,M663	3	SHINANO STP-42D2046
02 •	388D1057901B	Spring	2	
03	347D1112315A	Plate,adjustment	2	
04	356D1057805C	Bracket	3	
05	355C1112353	Frame	1	
06 •	323S3366	Belt,timing	1	MITSUBOSHI B60S3M369
07 •	146S0029A	Detector D662,D663	22	SHARP GP-1A73A
08	356D1057807G	Bracket	1	
09	316S0258	Clamp,cord	7	NIX LWSM-0306
10	356D1112256A	Bracket	1	
11	316S1076	Tie,wire	9	
12 •	146S0079A	Detector D658/9P	2	
13 •	323S3365	Belt,timing	1	MITSUBOSHI B60S3M405
14	316S0174	Clamp,cord	23	NIX SB-1909
15 •	388D1112259	Spring	8	
16	334C1112304D	Roller ass'y	2	
17 •	322D1112311C	Support,shaft	2	
18	356D1112309A	Bracket	1	
19	319D1057891	Shaft	2	
20	308D1112344	Screw,special	2	
21 •	334D1057883C	Roller	1	
22 •	322D1057842B	Support,shaft	4	
23	341C1057716E	Arm ass'y	1	
24 •	334D1057883C	Roller	1	
25 •	322D1112310B	Support,shaft	4	
26 •	323D1057923A	Belt	2	
27 •	324D1112329B	Wheel,belt	2	
28	356D1057806D	Bracket	1	
29	334C1112328B	Roller ass'y	1	
30	341C1057717C	Arm ass'y	1	
31 •	322D1057842B	Support,shaft	4	
32 •	322D1057934B	Support,shaft	2	
A01 ⊗	808C1112200	Distribution section	1	INDEXES 17-A01, 18-A01,19-A01, 20A-A01 and 20B-A01 inclusive

DISTRIBUTION SECTION (4)



LP-5900



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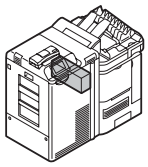
DISTRIBUTION SECTION (4)

Drawing Ref. No.	Part No.	Part Name	Qty	Remarks
01 •	322SB033	Support,shaft	2	NMB DDLF-1480ZZ
02	348D1057749D	Plate,side	1	
03	363C1112216B	Guide ass'y	1	
04	363C1112215B	Guide ass'y	1	
05	356D1112243C	Bracket	2	
06	310S1952014	Pin,spring	1	Diam.2x14
07 •	334C1112265B	Roller	1	
08 •	322SP207	Support,shaft	1	
09	356C1112220C	Bracket	1	
10	348D1057748B	Plate,side	1	
11	332D1112250A	Stop	2	
12	327D1057834D	Gear	1	
13	356C1112244C	Bracket	1	
14 •	388D1112255A	Spring	2	
15 •	318S1245	Bushing	2	
16	360D1112246B	Housing	1	
17	315S1360150	C-ring	4	
18	356D1112238B	Bracket	1	
19	345D1057804B	Plate,shield	1	
20	319D1112260C	Shaft	1	
21	356C1112213C	Bracket	1	
22 •	322B020	Support,shaft	2	
23	356D1057822C	Bracket	1	
24 •	322D816785	Support,shaft	4	
25	319D1057893A	Shaft	1	
26	334C1057747D	Roller ass'y	2	
27	334C1057747D	Roller ass'y	2	
28	319D1057892A	Shaft	1	
29	356C1112218A	Bracket ass'y	1	
30 •	322SB020	Support,shaft	2	
31 •	322SP214	Support,shaft	69	MINEBEA,DDLF-168HH,NIHON SEIKOH(NSK), F688A-H-ZZ1
32	356D1057722D	Bracket	1	
33	405D1057976A	Label	1	
34	350D1057928A	Cover	1	
35	405F8168C	Label	4	
36	319D1057887E	Shaft	1	
37	327S1123202A	Gear,spur	3	
38	303D1057958B	Screw	14	M3x6
39	338D1057908	Ring	1	
40 •	318S1245	Bushing	3	NIHONBEARING SM8-G
41 •	322SY325	Support,shaft	2	KITANIHONSEIKI 6903ZZ MG-2
42	369D1057858B	Tube	1	
43	310D1057857B	Pin	2	
44 •	322SB034	Support,shaft	2	NMB DDL-840ZZ
45	338D1057959	Ring	2	
46	319D1057896C	Shaft	1	
47	327D1057836	Gear	1	
A01 ▪	808C1112200	Distribution section	1	INDEXES 17-A01, 18-A01,19-A01, 20A-A01 and 20B-A01 inclusive

DISTRIBUTION SECTION (5)



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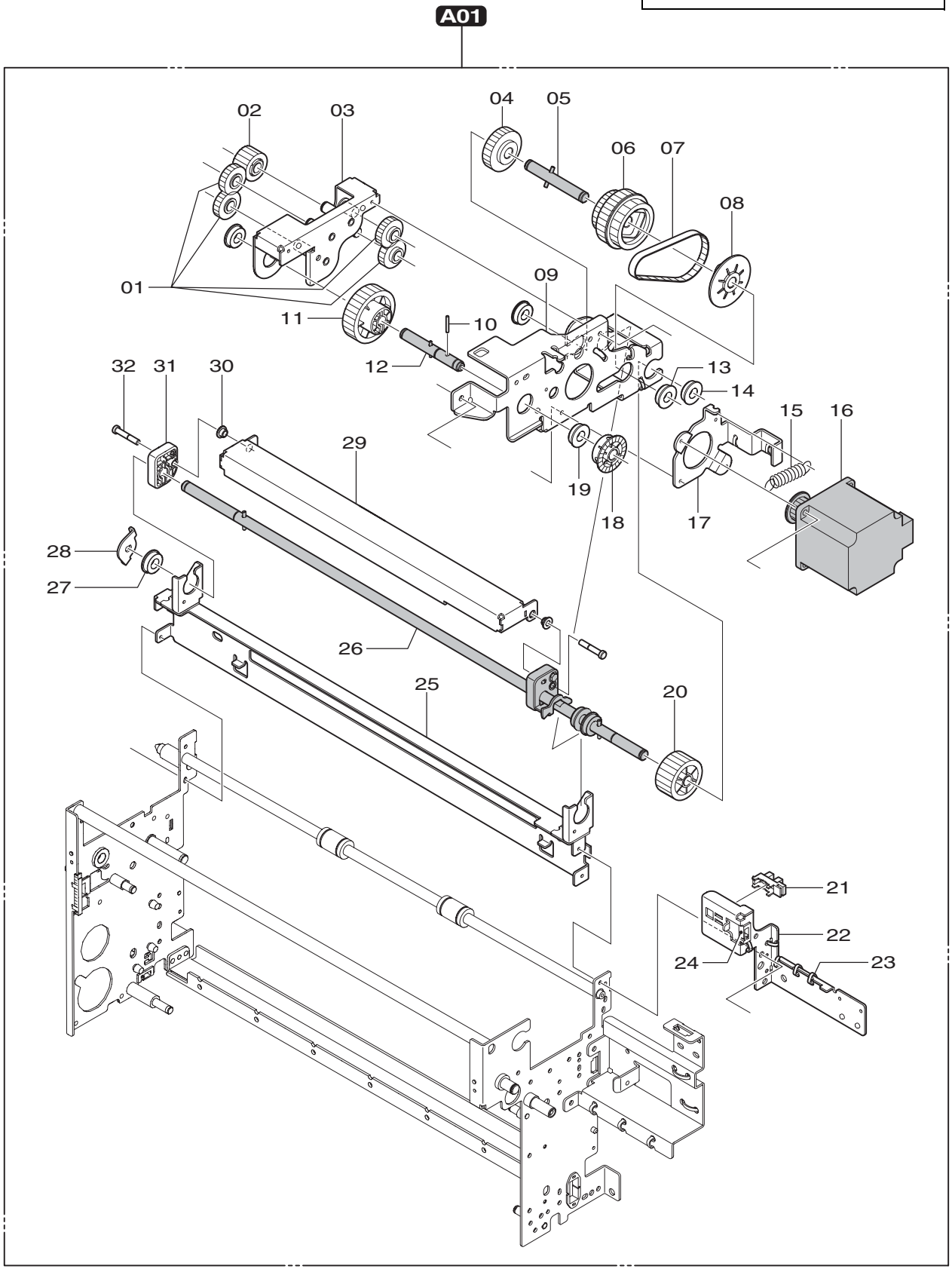

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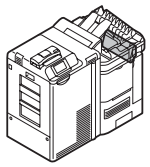
DISTRIBUTION SECTION (5)

Drawing Ref. No.	Part No.	Part Name	Qty	Remarks
01	327S1121604A	Gear	4	
02	327D1112294C	Gear	1	
03	356C1112257B	Bracket	1	
04	327D1112307A	Gear	1	One-way clutch internal
05	319C1112285A	Shaft	1	
06 •	324D1112306B	Wheel,belt	1	
07 •	323S3379	Belt	1	
08	335D1112287	Flange	1	
09	356D1112293D	Bracket	1	
10	310S1952014	Pin,spring	1	Diam.2x14
11	327D1112283C	Gear	1	
12	319C1112305A	Shaft	1	
13 •	322SP214	Support,shaft	6	MINEBEA,DDLF-168HH,NIHON SEIKOH(NSK), F688A-H-ZZ1
14 •	322SP214	Support,shaft	6	MINEBEA,DDLF-168HH,NIHON SEIKOH(NSK), F688A-H-ZZ1
15 •	388D1112317A	Spring	1	
16 •	118SX206	Motor M657	1	
17	356D1112281B	Bracket	1	
18	360D1112320D	Housing	1	
19 •	322SP214	Support,shaft	6	MINEBEA,DDLF-168HH,NIHON SEIKOH(NSK), F688A-H-ZZ1
20 •	327D1112270C	Gear,spur	1	m=1.25 Z=24
21 •	146S0029A	Photo-interrupter D662/3	2	SHARP GP-1A73A
22	347D1112231B	Plate,adjustment	1	
23	316S1076	Tie,wire	9	
24	316S0256	Clamp,cord	3	NIX LES-0510
25	363C1112206B	Guide	1	
26	319C1112229B	Shaft	1	
27 •	322SP214	Support,shaft	6	MINEBEA,DDLF-168HH,NIHON SEIKOH(NSK), F688A-H-ZZ1
28	356D1112271A	Bracket	1	
29	365D1112237B	Rail	1	
30 •	322SY067	Support,shaft	2	OIRESU 80F-0403
31	342D1112233B	Lever	1	
32	310D1112269A	Pin	2	
A01 •	808C1112200	Distribution section	1	INDEXES 17-A01, 18-A01,19-A01, 20A-A01 and 20B-A01 inclusive

DRYING ENTRANCE RACK SECTION



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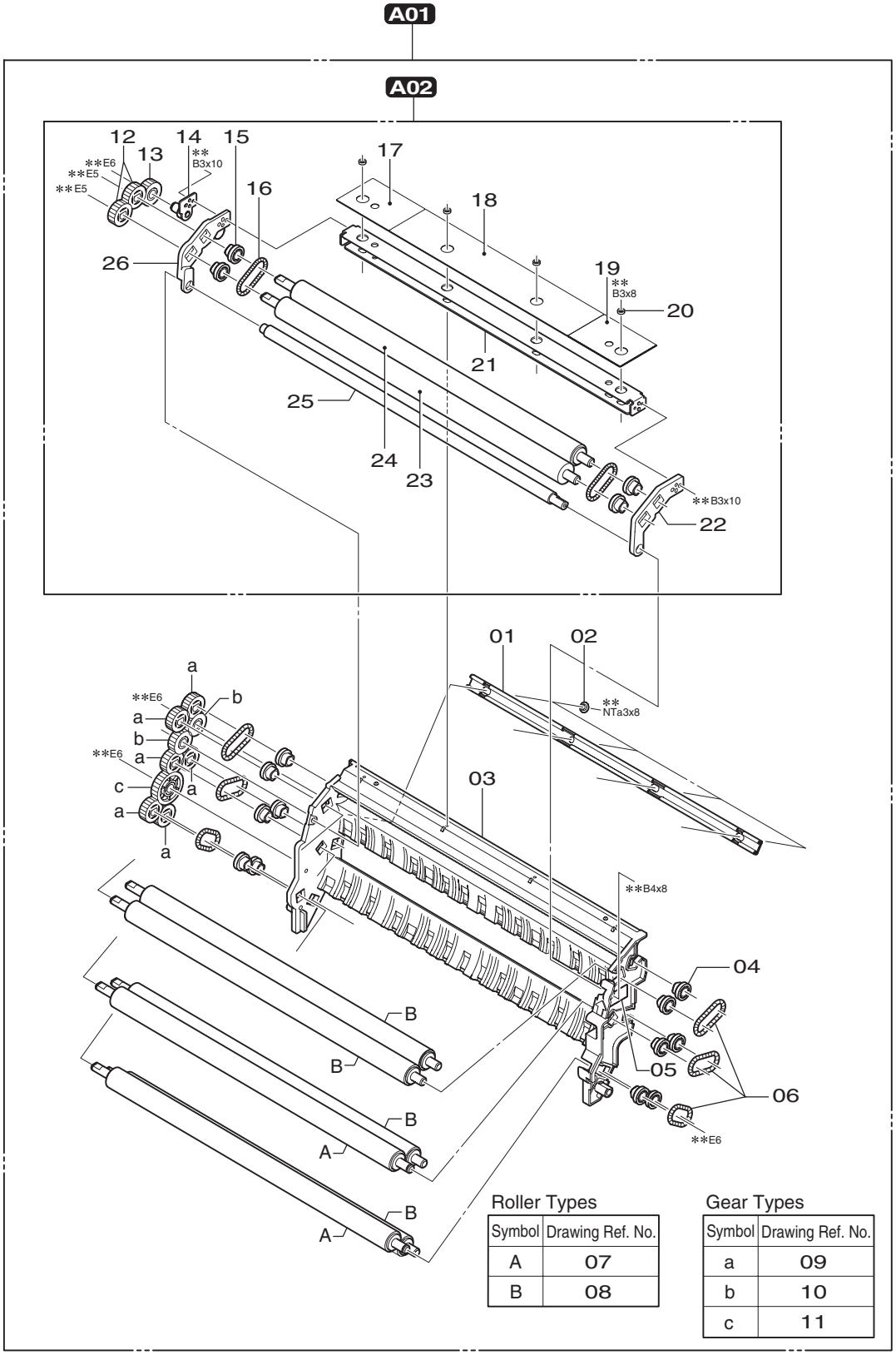

Roller Types

Symbol	Drawing Ref. No.
A	07
B	08

Gear Types

Symbol	Drawing Ref. No.
a	09
b	10
c	11

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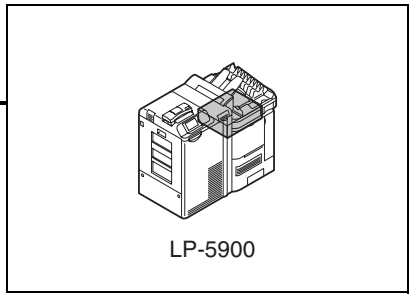
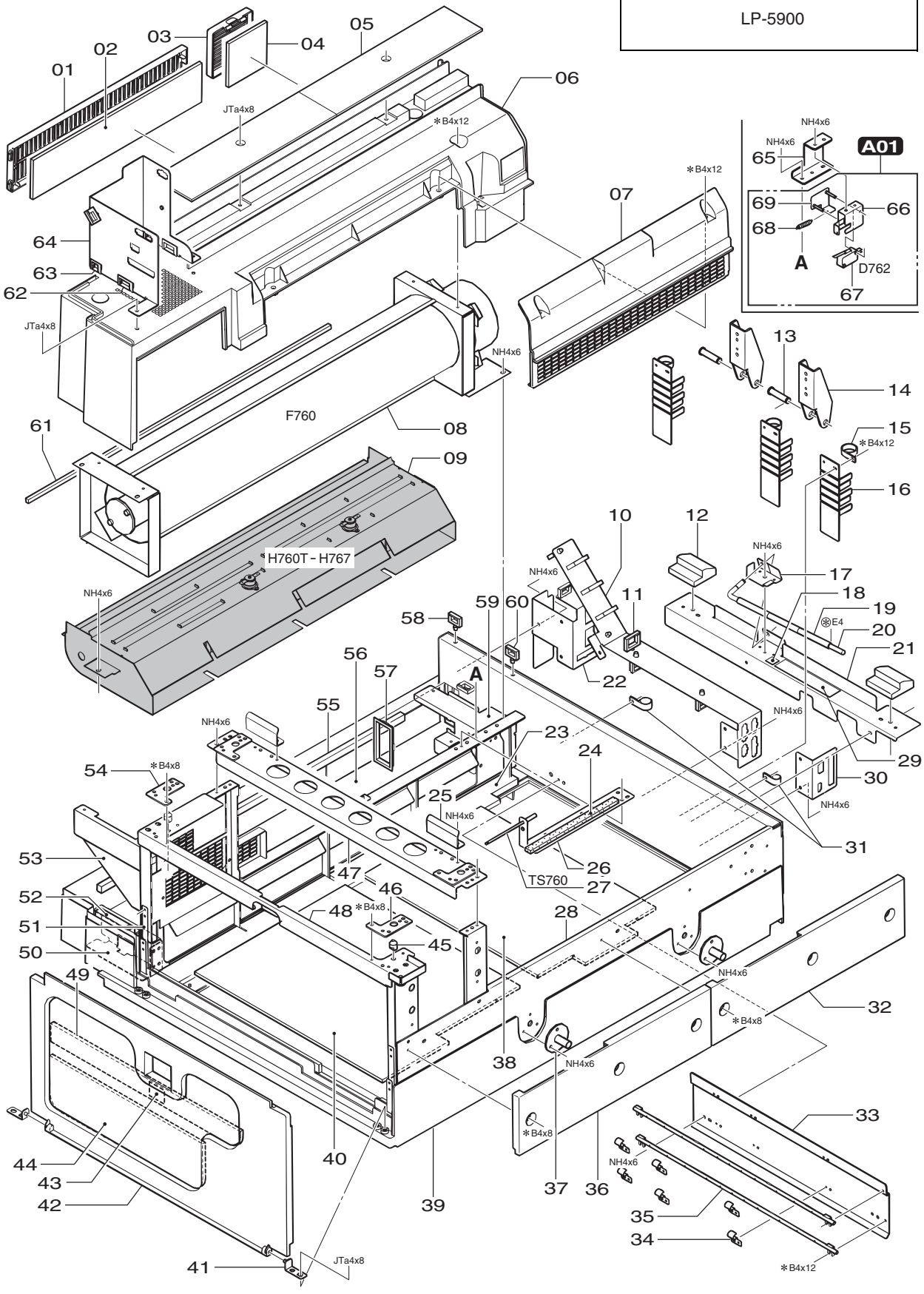
DRYING ENTRANCE RACK SECTION

Drawing Ref. No.	Part No.	Part Name	Qty	Remarks
01	346C1060276	Plate,brace	1	
02	338D1060274A	Ring	4	
03	363D1134360	Guide	1	
04 •	322FY217A	Support,shaft	16	
05	405D1060267A	Label	1	
06 •	388D1061103D	Spring,tension	6	
07 •	334C1060026D	Roller	2	
08 •	334C1060018D	Roller	6	
09 •	327F1121646B	Gear,spur	8	
10 •	327C1024765A	Gear,spur	3	
11 •	327C1061257D	Gear,spur	1	
12 •	327F1121646B	Gear,spur	2	
13 •	327C1024765A	Gear,spur	1	
14	319C1134374	Shaft ass'y	1	
15 •	322FY217A	Support,shaft	4	
16	388D1061345A	Spring,tension	2	
17	345D1134381	Insulator,heat	1	
18	345D1134379	Insulator,heat	1	
19	345D1134380	Insulator,heat	1	
20	347D1134377	Spacer	4	
21	355D1134371	Frame	1	
22	348D1134372	Plate,side	1	
23 •	334D1134366A	Roller	1	
24 •	334C1134362A	Roller	1	
25	340D1134378	Handle	1	
26	348D1134373	Plate,side	1	
A01 •	802C1134301	Drying entrance rack section	1	
A02	334C1134383	Roller ass'y	1	

DRYER SECTION (1)





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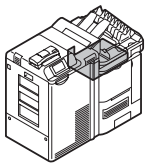
DRYER SECTION (1)

Drawing Ref. No.	Part No.	Part Name	Qty	Remarks
01	350D1058123C	Cover	2	
02 ※	138D1058124A	Filter	2	
03	350D1061126C	Cover	1	
04 ※	376D1061025A	Filter	1	
05	350D1061102B	Cover	2	
06	350D1061112E	Cover	1	
07	350C1061132A	Cover	1	
08 •	119C1061076	Fan,electric F760	1	MATSUSHITA ECO SYSTEMS FW-09L4B-DC
09 •	117C1060960	Heater H760T-H767	1	HITACHI HZ203C
10	356D1061021B	Bracket	1	
11	316S1031	Clamp,cord	45	NIX LWS-1316Z
12	362D1061027B	Support	2	
13	319D1062505	Shaft	2	
14	356D1062504B	Bracket	2	
15	316S1014	Clamp,cord	5	KITAGAWA NK-13N
16	350D1062541A	Cover	3	
17	356D1060970D	Bracket	1	
18	405F8168C	Label	1	
19	338D1061240	Ring	8	
20	342D1061062D	Lever	1	
21	356D1061063E	Bracket	1	
22	356D1061020D	Bracket	1	
23	345D1061162A	Insulator,heat	1	
24	382D1061696	Tape,sponge	1	
25	356D1060959A	Bracket	2	
26	356D1061060C	Bracket	1	
27 •	115C966115A	Thermistor TS760	1	(E)(F)FOHYU ET-205
28	353C1061064N	Chassis	1	
29	405D1134354	Label	1	
30	356D1061022B	Bracket	1	THREE PEACE
31	316S1008	Clamp,cord	4	KITAGAWA NK-6N
32	350D1061127C	Cover	1	
33	356D1061346A	Bracket	1	
34	316D1061584	Strap	6	
35	371D1060536B	Nozzle	2	
36	350D1061127C	Cover	1	
37	319C1061143A	Shaft	2	
38	345D1061162A	Insulator,heat	1	
39	358D1134356	Box	1	
40	345D1061161	Insulator,heat	1	
41	356C1061114B	Bracket	2	
42	350C1061026E	Cover	1	
43	345D1134512	Insulator,heat	1	
44	345D1061181D	Insulator,heat	1	
45	319D1061071	Shaft	2	
46	345D1061097A	Plate,shield	6	
47	355D1061094C	Frame	1	
48	355C1061093C	Frame	1	
49	345D1061182B	Insulator,heat	1	
50	356D1061023C	Bracket	1	
51	332D1061281	Stop	5	
52	345D1061171A	Insulator,heat	1	
53	346D1061595	Plate,brace	1	
54	345D1061097A	Plate,shield	6	
55	345D1060979A	Insulator,heat	1	
56	345D1060977D	Insulator,heat	1	
57	316S0028	Clamp,cord	3	KITAGAWA SB-6025
58	316S1031	Clamp,cord	45	NIX LWS-0711Z
59	356D1061061D	Bracket	1	
60	316S1027	Clamp,cord	29	
61	382D1061594	Tape,sponge	1	
62	316S1179	Clamp,cord	8	NIX LES-1017
63	316S1033	Clamp,cord	49	NIX LES-1010
64	356D1061073E	Bracket	1	
65	356D1061010	Bracket	1	
66	356F10134F	Bracket	2	(B)
67 •	128S0740	Switch D762	3	OMRON V-152-1C25
68 •	388F2231F	Spring,tension	3	(B)
69	356H0071A	Bracket	3	(B)
A01 •	128C1060969	Switch ass'y	2	

DRYER SECTION (2)



LP-5900

A01

Roller Types

Symbol	Drawing Ref. No.
A	33
B	34
C	35
D	36
E	37
F	38
G	39

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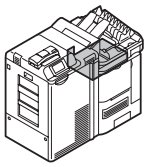
DRYER SECTION (2)

Drawing Ref. No.	Part No.	Part Name	Qty	Remarks
01	363C1134289	Guide	1	
02	405N100027	Label	1	
03	340F0441	Knob	2	
04	345D1134517	Insulator,heat	1	
05	347D1134334C	Plate,adjustment	1	
06 •	388D1134332A	Spring,compression	1	
07	335D1134331	Flange	1	
08 •	334C1134329B	Roller	1	
09	360D1134325C	Housing	1	
10	319D1134327	Shaft	1	
11 •	322D966245B	Support,shaft	2	
12	348D1134358B	Plate,side	1	
13	319D1060966D	Shaft	1	
14	319D1061570C	Shaft	1	
15	319D1060965C	Shaft	4	
16 •	322D966246B	Support,shaft	22	(E)(F)
17	348D1134357B	Plate,side	1	
18	319D1134326	Shaft	1	
19 •	322D966245B	Support,shaft	2	
20	360D1134323A	Housing	1	
21	360D1134324A	Housing	1	
22	324C1061015C	Wheel,belt	1	
23	319D1061047B	Shaft	1	
24 •	322D966245B	Support,shaft	24	(E)(F)DIC
25 •	388D1061574B	Spring,tension	2	
26 •	388D1061575B	Spring,tension	2	
27 •	388D1061692	Spring,tension	2	
28	319D1061596	Shaft	2	
29	319D1060965C	Shaft	4	
30	319D1061336B	Shaft	1	
31	319D1060967A	Shaft	4	
32	319D1061183A	Shaft	1	
33 •	334D1061014F	Roller	10	
34 •	334D1061013E	Roller	1	
35 •	334D1134510	Roller	1	
36 •	334D1134511	Roller	1	
37 •	334D1061327A	Roller	1	
38 •	334D1060994F	Roller	2	
39 •	334D1061581A	Roller	1	
40	890D1134348A	Tool	1	
A01 •	808C1134321	Dryer transport section	1	INDEXES 42-A01 and 43-A01 inclusive

DRYER SECTION (3)



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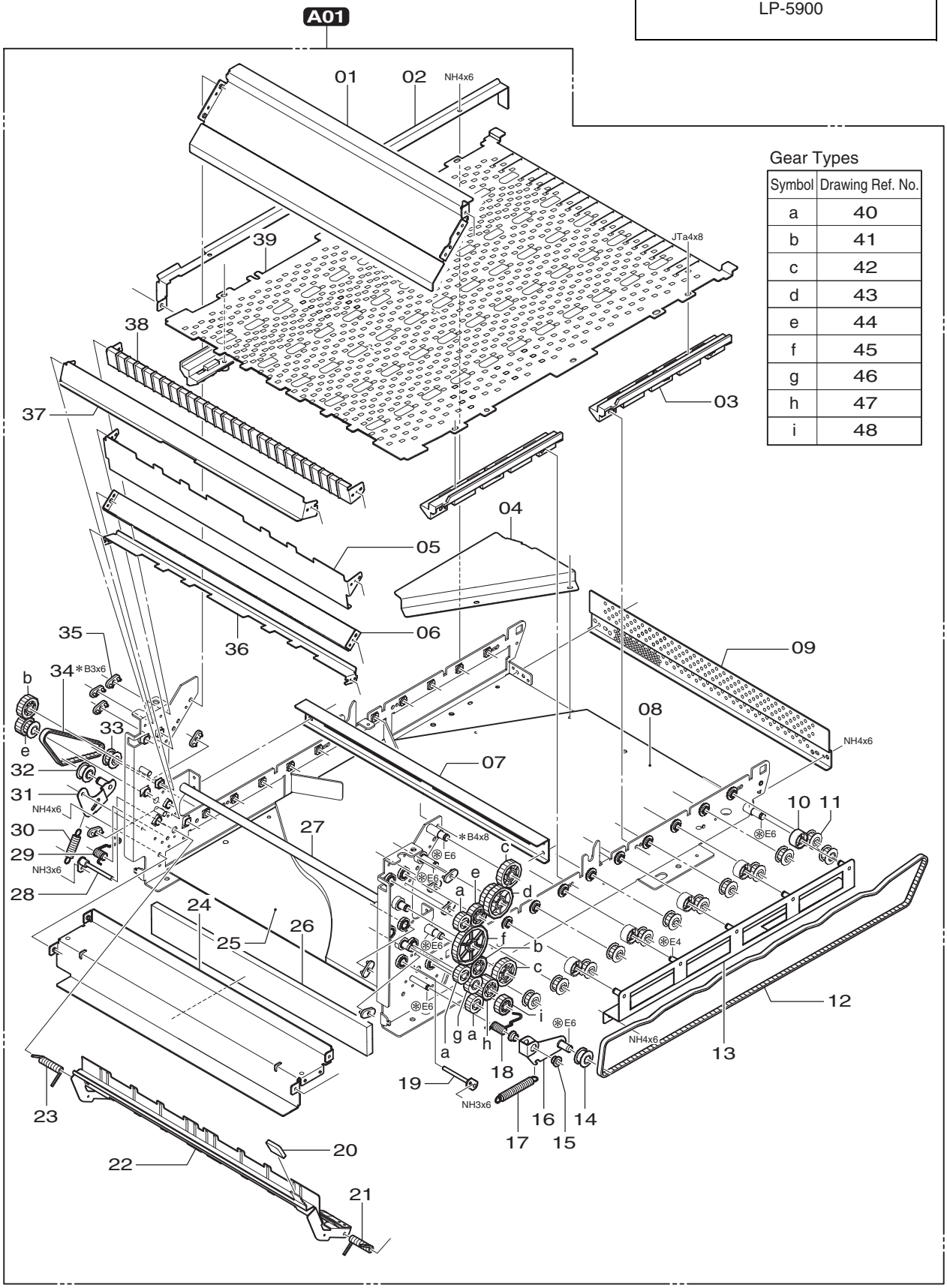

Gear Types

Symbol	Drawing Ref. No.
a	40
b	41
c	42
d	43
e	44
f	45
g	46
h	47
i	48

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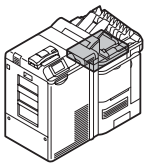
DRYER SECTION (3)

Drawing Ref. No.	Part No.	Part Name	Qty	Remarks
01	356D1060996D	Bracket	1	
02	369D1060955C	Duct	1	
03	362D1061057F	Support	4	
04	369D1134343A	Duct	1	
05	363D1134298	Guide	1	
06	363D1061572D	Guide	1	
07	355D1061338B	Frame	1	
08	345D1134345B	Insulator,heat	1	
09	356D1134344C	Bracket	1	
10 •	324D1061267A	Wheel,belt	5	
11 •	324C1061015C	Wheel,belt	12	
12 •	323S3361	Belt	1	MITSUBOSHI B60S3M1113-Ultra heat-resistant
13	356C1060997F	Bracket	1	
14 •	324C1061016C	Wheel,belt	2	
15 •	322SY318	Support,shaft	2	OIRESU 77F-0606
16	356C1060109	Bracket	1	
17 •	388D1061054D	Spring,tension	1	
18 •	388D1060989H	Spring,torsion	1	
19	319C1061007B	Shaft	1	
20	340F0441F	Knob	1	
21 •	388D1134513	Spring,torsion	1	
22	363C1134285	Guide	1	
23 •	388D1134514	Spring,torsion	1	
24	356D1061049J	Bracket	1	
25	345D1134359	Plate	1	
26	345D1060972B	Insulator,heat	1	
27	319D1061339B	Shaft	1	
28	319C1061007B	Shaft	1	
29 •	388D1060990J	Spring,torsion	1	
30 •	388D1061337B	Spring,tension	1	
31	356C1061333C	Bracket	1	
32 •	324C1061016C	Wheel,belt	1	
33 •	324C1061580B	Wheel,belt	1	
34 •	323S3376	Belt	1	MITSUBOSHI B60S3M252-Ultra heat-resistant
35	363D1061308B	Guide	10	
36	363D1061573C	Guide	1	
37	363D1061089F	Guide	1	
38	363D1061088E	Guide	1	
39	371C1061592	Nozzle	1	
40 •	34B5591065	Gear,spur	3	(E)(F)
41 •	327D1061325C	Gear,spur	3	
42 •	327C1061577C	Gear,spur	2	
43 •	327C1061319C	Gear,spur	1	
44 •	324C1061328B	Wheel,belt	1	
45 •	327C1061322C	Gear,spur	1	
46 •	327C1961578B	Gear,spur	1	
47 •	327D1061321D	Gear,spur	1	
48 •	327D1061698C	Gear,spur	1	
A01 ▪	808C1134321	Dryer transport section	1	INDEXES 42-A01 and 43-A01 inclusive

DRYER SECTION (4)



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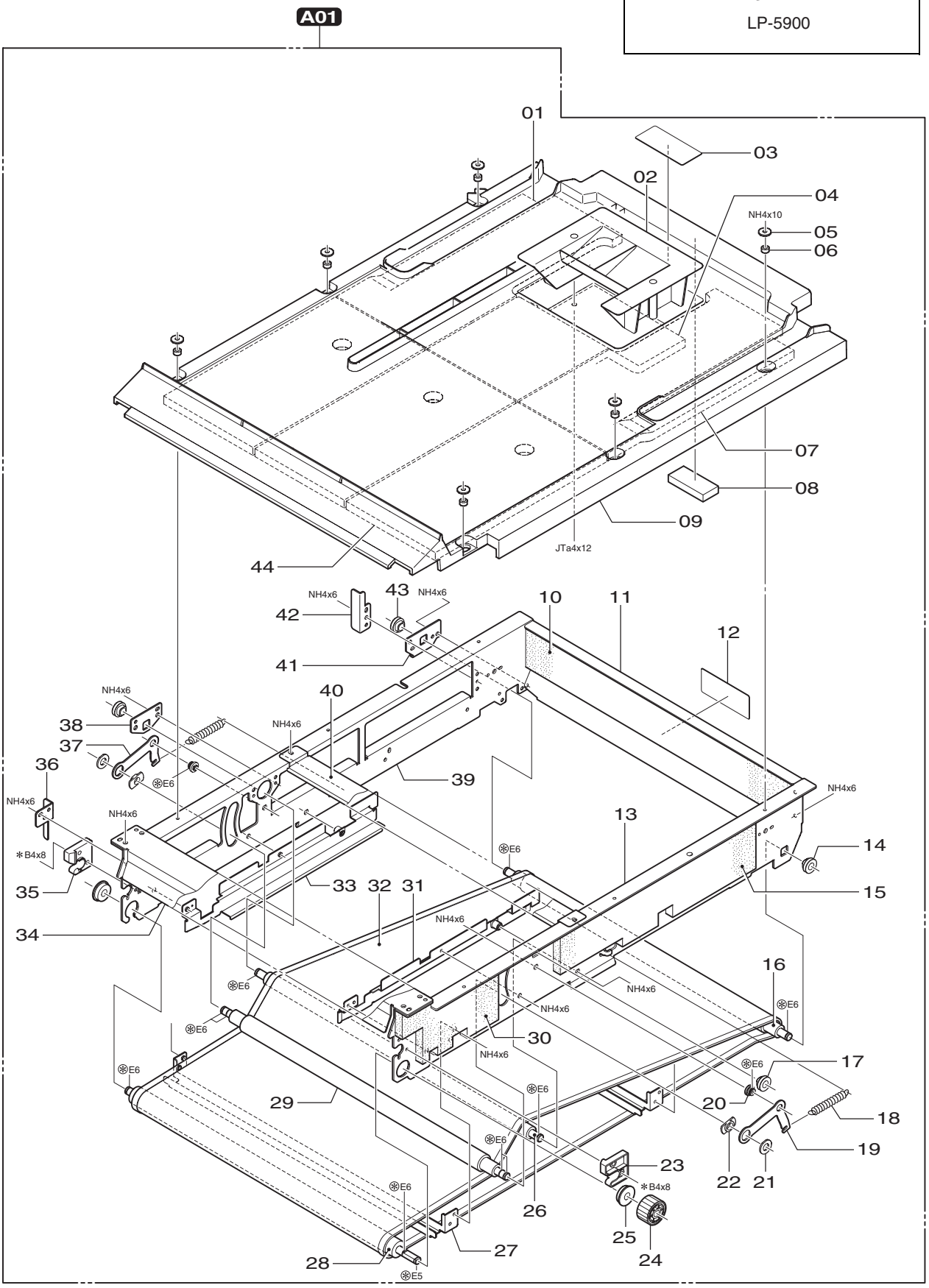

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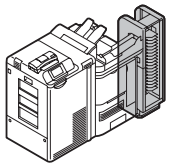
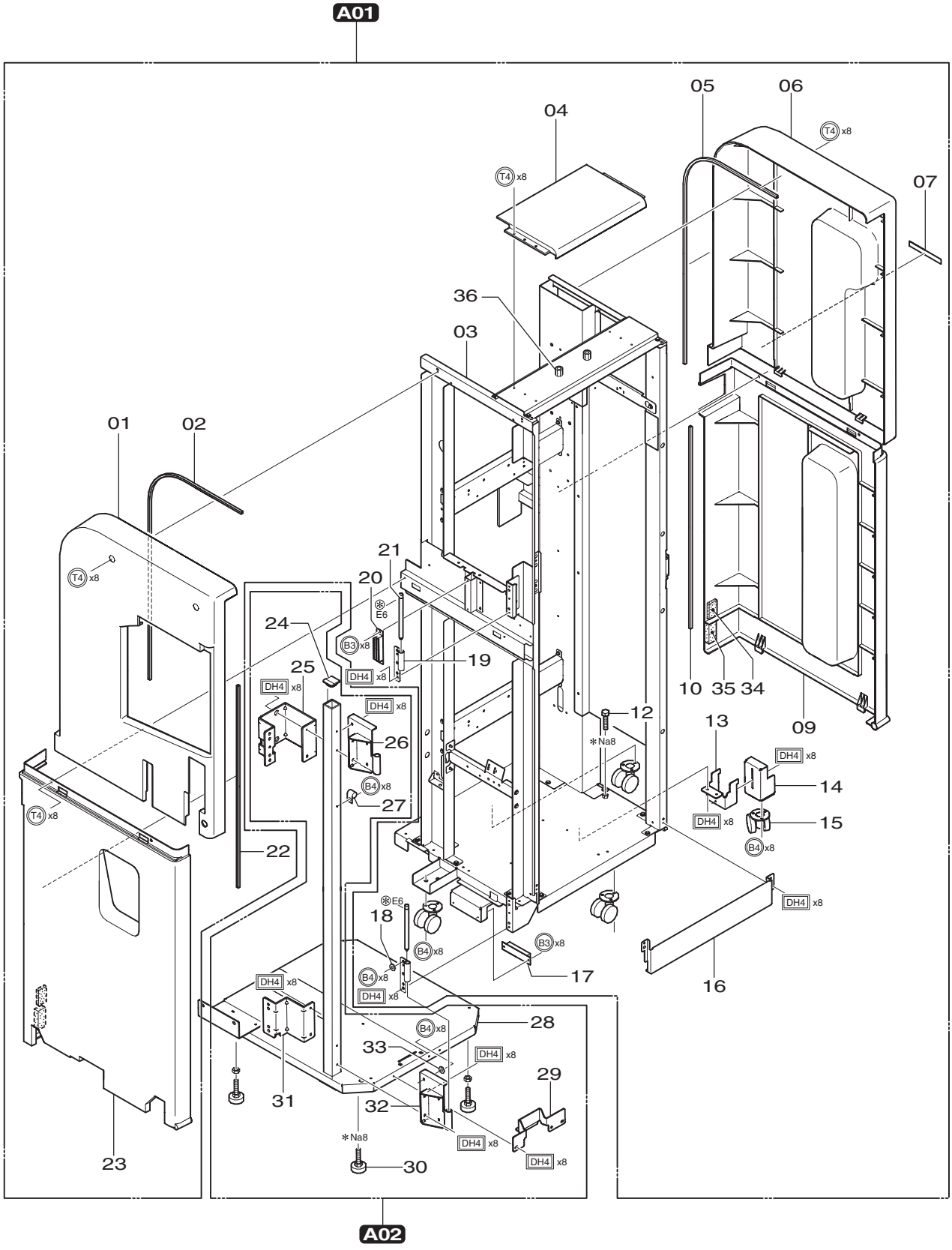
DRYER SECTION (4)

Drawing Ref. No.	Part No.	Part Name	Qty	Remarks
01	345D1060980C	Insulator,heat	1	
02	340D1061691A	Handle	1	
03	58B7507941	Label	1	
04	345D1060974E	Insulator,heat	1	
05	309D1061028A	Washer	6	
06	347S0794	Spacer	6	HIROSUGI CU-404
07	345D1060978C	Insulator,heat	1	
08	316D1061157A	Catch	1	SHIMONISHI SCM-0827A
09	350D1061029E	Cover	1	
10	345D1060975D	Insulator,heat	1	
11	356D1134526	Bracket	1	
12	58B7507941	Label	1	
13	348D1134126A	Plate,side	1	
14 •	322D966246B	Support,shaft	1	
15	345D1134143	Insulator,heat	1	
16 •	334D1134137A	Roller	1	
17 •	322D966246B	Support,shaft	2	
18 •	388D1134520	Spring,tension	2	
19	341D1134124	Arm	1	
20	319D1134129	Shaft	2	
21	347D1134139B	Spacer	2	
22 •	322D1134130C	Support,shaft	2	
23	362D1061330B	Support	1	
24 •	327D1061697A	Gear,spur	1	
25 •	322C966208C	Support,shaft	2	
26 •	334D1134137A	Roller	1	
27	356D1061092J	Bracket	2	
28 •	334D1134138A	Roller	1	
29 •	334D1134136A	Roller	1	
30	345D1134141	Insulator,heat	1	
31	362D1134134A	Guide	1	
32 •	323D1134538	Belt	1	YUASA
33	362D1134135A	Guide	1	
34	356D1061033C	Bracket	1	
35	362D1061331B	Support	1	
36	356D1061332B	Bracket	1	
37	341D1134125	Arm	1	
38	356D1134128A	Bracket	1	
39	348D1134384	Plate,side	1	
40	356D1061184B	Bracket	1	
41	356D1134133A	Bracket	1	
42	356D1061034B	Bracket	1	
43 •	322D966246B	Support,shaft	1	
44	345D1060973C	Insulator,heat	3	
A01	808C1134322	Transport section	1	

SU2400AY (1)



LP-5900



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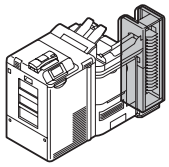
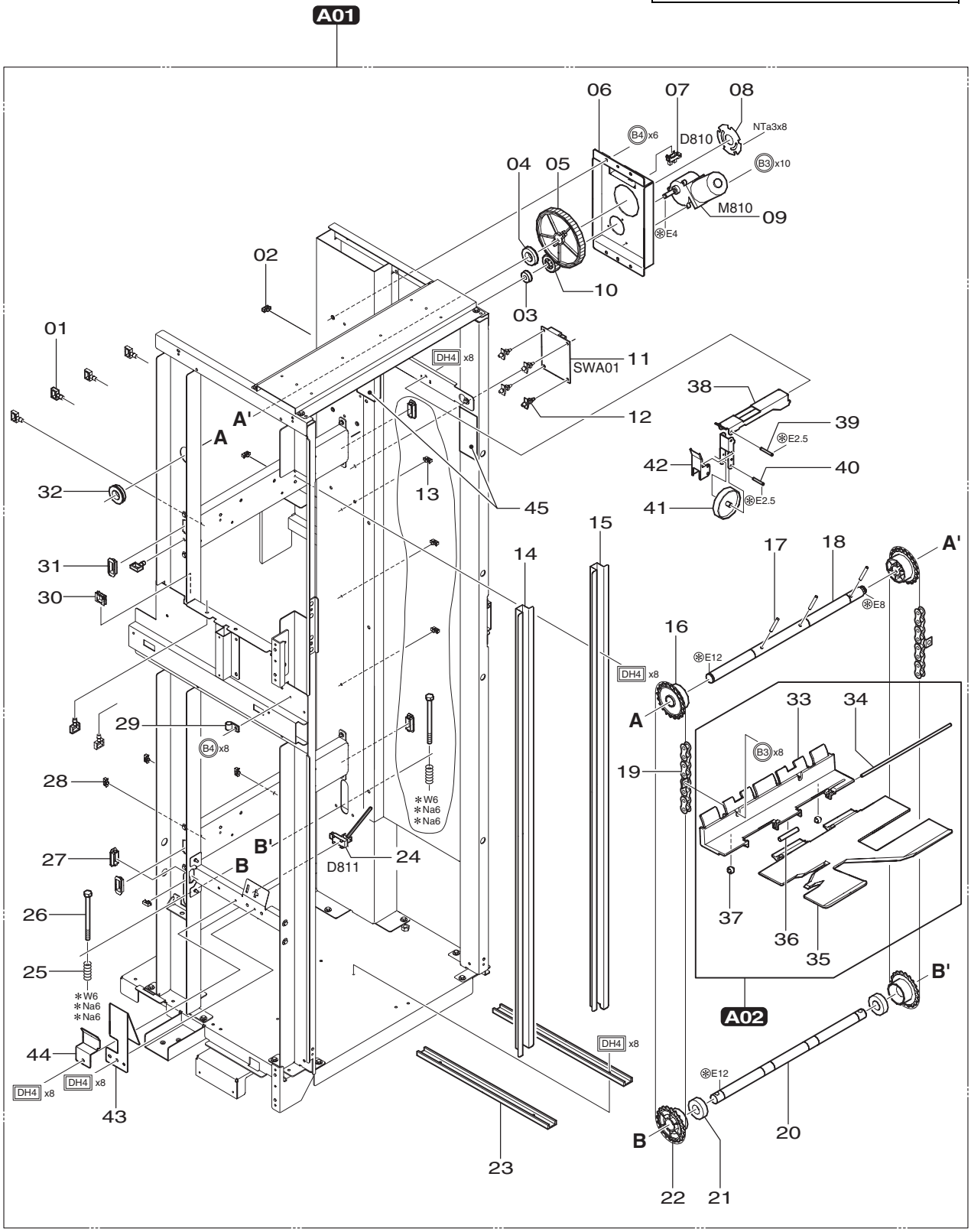
SU2400AY (1)

Drawing Ref. No.	Part No.	Part Name	Qty	Remarks
01	350D1061974D	Cover	1	
02	318D1062033	Bushing	2	SHINAGAWA EE-32
03	355C1134490	Frame	1	
04	350D1134501	Cover	1	
05	318D1062033	Bushing	2	SHINAGAWA EE-32
06	350D1061977C	Cover	1	
07	405D1061958	Label	1	
08	----------	----------	-	
09	350D1134084	Cover	1	(B)
10	318D1062034	Bushing	2	SHINAGAWA EE-32
11	----------	----------	-	
12	304S3100835	Bolt,hex	1	M8x35
13	356D1061957A	Bracket	1	
14	356D1061956	Bracket	1	
15 •	367S1112	Caster	4	TOHKAI TX40
16	350D1134500	Cover	1	
17 •	316S3014	Magnet	2	
18	309S0420004	Washer,toothed lock	4	
19 •	314D1061972A	Hinge	1	
20 •	316S3014	Magnet	2	
21	319D1061991	Shaft	1	
22	318D1062034	Bushing	2	SHINAGAWA EE-32
23	350G02642	Cover	1	(B)
24	317D1061954A	Cap	1	
25	356C1062062B	Bracket	1	
26 •	314C1062009B	Hinge	2	
27	316S1007	Clamp,cord	8	KITAGAWA NK-5N
28	355C1061960E	Frame	1	
29	332D1061987B	Stop	1	
30	367S2030	Foot	4	TOCHIGIYA TM-204
31	356D1061962D	Bracket	1	
32 •	314C1062009B	Hinge	2	
33	309S0420004	Washer,toothed lock	4	
34	386D1061687	Pad	2	
35	386D1061686	Pad	2	
36	347S0874	Spacer	2	HIROSUGI BS-411E
A01 *	P SORTER SU2400	SU2400AY	1	INDEXES 53-A01, 54-A01 and 55-A01 inclusive
A02	357C1062060	Mount	1	

SU2400AY (2)



LP-5900



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SU2400AY (2)

Drawing Ref. No.	Part No.	Part Name	Qty	Remarks
01	316S1027	Clamp,cord	35	NIX LWS-0711Z
02	316S0258	Clamp,cord	120	NIX LWSM-0306
03 •	322SP223	Support,shaft	2	
04 •	322SF159	Support,shaft	2	NTN 6902ZZNR
05 •	327D1061966B	Gear,spur	1	
06	356D1061955A	Bracket	1	
07 •	146S0029A	Photo-interrupter D810	22	SHARP GP1A73A
08	405D1062036A	Plate,graduated	1	
09 •	118C1062058B	Motor M810	1	THREE PEACE TP-3644G-KW-150-A076-24
10 •	327D1061967A	Gear,spur	1	
11 •	113G02024	PCB,SWA01	3	
12	316S0040	Strap	12	KITAGAWA KGLS-6S
13	316S0258	Clamp,cord	120	NIX LWSM-0306
14	356D1061989A	Bracket	1	
15	356D1061978A	Bracket	1	
16 •	326D1062048A	Sprocket	2	
17	310S9034035	Pin,straight	3	Diam.4x35
18	319D1134503	Shaft	1	
19 •	325C1062023A	Chain	2	
20	319D1134502	Shaft	1	NTN 6902ZZNR
21 •	322SF160	Support,shaft	2	
22 •	326D1062049A	Sprocket	2	
23	363G02413	Guide	2	(B)
24 •	146D1061630	Detector D811	1	(B)NIHON ALEPH OS-580293-708
25 •	388D1062043A	Spring,compression	1	
26	304S3100680	Bolt,hex	2	M6x80
27	316S0174	Strap	23	NIX SB-1909
28	316S0258	Clamp,cord	120	NIX LWSM-0306
29	316S1007	Clamp,cord	8	KITAGAWA NK-5N
30	316S1033	Clamp,cord	49	KITAGAWA NK-5N
31	316S0174	Strap	23	NIX SB-1909
32 •	322SF159	Support,shaft	2	NTN 6902ZZNR
33	362D1062047B	Support	52	
34	319D1062042A	Shaft	52	
35	362D1134504	Support	52	
36 •	388D1134192	Spring,torsion	52	
37 •	30B7854110	Roller	104	(B)
38	356D1134499	Bracket	1	
39	319D1061673	Shaft	1	
40	319D1061674	Shaft	1	
41 •	334D1061675	Roller	1	
42	356C1061670A	Bracket ass'y	1	
43	356D1061565	Bracket	1	
44	356D1061568	Bracket	1	
45	386D1061631	Pad	2	
A01 *	P SORTER SU2400	SU2400AY	1	INDEXES 53-A01, 54-A01 and 55-A01 inclusive
A02	362C1134221	Support	52	

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